

# ORTEX SERIES

## DMX

### Implementation Table Version 2.5

Vortex Firmware 2.5.0 or later

#### Support

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## Document History

| DMX Table Version | Document Revision | Date        | Notes                                                                                                                                                         |
|-------------------|-------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                 | 1.0               | 8 Oct 2020  | Initial Release                                                                                                                                               |
| 1.1               | 1.1               | 1 Dec 2020  | Added additional Flex modes, and FX modes. For Vortex FW Version 1.1.2 and above                                                                              |
|                   | 1.1.1             | 16 Feb 2021 | Fixed incorrect slot assignment in Mode 19, 23, and 29 (document update)                                                                                      |
| 1.2               | 1.2.0             | 17 Sep 2021 | Update for Vortex FW 1.2. Moved the Fan Mode slot to the end of the table for multi-Zone modes. Added Flash Frames, Timed Flash, and Calibrate Sync FX modes. |
|                   | 1.2.1             | 28 Sep 2021 | Added V4 variations (document update)                                                                                                                         |
| 2.5               | A                 | 3 May 2023  | Update for Vortex FW Version 2.5. Added Control Channel, Reduced Zone Modes and new Multizone modes                                                           |

## DMX Implementation Tables

The Creamsource Vortex offers a number of different DMX implementation modes, in both 8-bit and 16-bit resolutions.

The active mode can be changed by selecting 'DMX Mode' from the 'DMX SETUP' menu on the fixture. Press the 'LINK' button for quick access to this menu.

### DMX Smoothing

The smoothest dimming will be achieved when the DMX refresh rate on the console is set to 40-44Hz. To cater for consoles with a lower refresh rate, there are 3 DMX Smoothing options available under the DMX Setup menu (and also via the Control Channel):

**OFF** - Maximum transition speed

**SMOOTH** - Smoothing is applied over 2 DMX frames, response time is slightly slower.

**SUPER SMOOTH** - Smoothing is applied over 4 DMX frames, response time is much slower but very smooth dimming can be achieved even in 8-bit mode.

### Calibrated RGBW

The fixture will use the setting under 'FIXTURE SETUP->Calibrated RGBW' menu for any RGBW modes. This can also be changed using the Control Channel.

If Calibrated RGBW mode is selected, then the Kodak Pro Photo colour space will be used for RGBW modes, and any whites will be optimised for CRI. The white point will be set to 3200K for RGBW modes and is adjustable in CCT-RGBW crossfade modes.

If Calibrated RGBW is not selected, then the RGBW channels will be driven directly. There will be no control of white point, and no CRI optimisation.

### Loss of DMX

If the DMX signal is lost, the fixture will hold the last received DMX value. Effects will keep running if they have been enabled.

### FLEX Mode

Flex mode enables the DMX Mode to be changed on the fly, using the first available DMX slot. It essentially provides a 'remote control' to the Mode setting in the menu, enabling you to choose from any of the Modes. The Mode then uses the subsequent slots, as per the following tables.

### Control Channel

The Control Channel was introduced in firmware version 2.5 and uses the previously 'Reserved' slot. It allows for settings like Dimming Curve, DMX Smoothing Mode, High Speed Mode and many more to be changed using this slot – no need to use RDM or access the fixture menu.

**In Version 2.5 firmware, the slot which was previously 'Reserved' is now used for the Control Channel.**

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## Mode Index

| Mode | Bits     | Slots for V8 | Slots for V4 | Description                                          |
|------|----------|--------------|--------------|------------------------------------------------------|
| 1    | 8 Bit    | 10           |              | CCT and RGBW                                         |
| 2    | 8 Bit    | 5            |              | CCT                                                  |
| 3    | 8 Bit    | 8            |              | CCT and Hue/Saturation                               |
| 4    | 8 Bit    | 7            |              | RGBW                                                 |
| 5    | 8 Bit    | 5            |              | Hue/Saturation                                       |
| 6    | 16 Bit   | 18           |              | CCT and RGBW                                         |
| 7    | 16 Bit   | 8            |              | CCT                                                  |
| 8    | 16 Bit   | 14           |              | CCT and Hue/Saturation                               |
| 9    | 16 Bit   | 12           |              | RGBW                                                 |
| 10   | 16 Bit   | 8            |              | Hue/Saturation                                       |
| 11   | 8 Bit    | 5            |              | xy Coordinates                                       |
| 12   | 8 Bit    | 8            |              | CCT and xy Coordinates                               |
| 13   | 16 Bit   | 8            |              | xy Coordinates                                       |
| 14   | 16 Bit   | 14           |              | CCT and xy Coordinates                               |
| 15   | 8 Bit    | 14           |              | CCT and Hue/Saturation with Effects                  |
| 16   | 8 Bit    | 16           |              | CCT and RGBW with Effects                            |
| 17   | 8 Bit    | 14           |              | CCT and xy Coordinates with Effects                  |
| 18   | 16 Bit   | 20           |              | CCT and Hue/Saturation with Effects                  |
| 19   | 16 Bit   | 24           |              | CCT and RGBW with Effects                            |
| 20   | 16 Bit   | 20           |              | CCT and xy Coordinates with Effects                  |
| 21   | 8 Bit    | 6            |              | Gels                                                 |
| 22   | 8 Bit    | 9            |              | CCT and Gels                                         |
| 23   | 8 Bit    | 15           |              | CCT and Gels with Effects                            |
| 24   | 16 Bit   | 7            |              | Gels                                                 |
| 25   | 16 Bit   | 13           |              | CCT and Gels                                         |
| 26   | 16 Bit   | 19           |              | CCT and Gels with Effects                            |
| 27   | 8 Bit    | 10           |              | Gels with Colour Bump                                |
| 28   | 8 Bit    | 13           |              | CCT and Gels with Colour Bump                        |
| 29   | 16 Bit   | 15           |              | Gels with Colour Bump                                |
| 30   | 16 Bit   | 21           |              | CCT and Gels with Colour Bump                        |
| 31   | 8/16 Bit | 131          | 67           | FLEX Mode allows selection of any Mode, using Slot 1 |
| 32   | 8 Bit    | 66           | 34           | Multi-Zone CCT and RGBW                              |
| 33   | 8 Bit    | 26           | 14           | Multi-Zone Hue/Saturation                            |
| 34   | 8 Bit    | 26           | 14           | Multi-Zone xy Coordinates                            |
| 35   | 16 Bit   | 130          | 66           | Multi-Zone CCT and RGBW                              |
| 36   | 16 Bit   | 50           | 26           | Multi-Zone Hue/Saturation                            |
| 37   | 16 Bit   | 50           | 26           | Multi-Zone xy Coordinates                            |
| 38   | 8 Bit    | 50           | 26           | Multi-Zone CCT and Hue/Saturation                    |
| 39   | 16 bit   | 98           | 50           | Multi-Zone CCT and Hue/Saturation                    |
| 40   | 8 Bit    | 19           |              | Split Zone CCT and RGBW                              |

| Mode | Bits   | Slots for V8 | Slots for V4 | Description                       |
|------|--------|--------------|--------------|-----------------------------------|
| 41   | 8 Bit  | 9            |              | Split Zone Hue/Saturation         |
| 42   | 8 Bit  | 9            |              | Split Zone xy Coordinates         |
| 43   | 8 Bit  | 15           |              | Split Zone CCT and Hue/Saturation |
| 44   | 16 Bit | 35           |              | Split Zone CCT and RGBW           |
| 45   | 16 Bit | 15           |              | Split Zone Hue/Saturation         |
| 46   | 16 Bit | 15           |              | Split Zone xy Coordinates         |
| 47   | 16 Bit | 27           |              | Split Zone CCT and Hue/Saturation |
| 48   | 8 Bit  | 35           | 19           | Bars Zone CCT and RGBW            |
| 49   | 8 Bit  | 15           | 9            | Bars Zone Hue/Saturation          |
| 50   | 8 Bit  | 15           | 9            | Bars Zone xy Coordinates          |
| 51   | 8 Bit  | 27           | 15           | Bar Zone CCT and Hue/Saturation   |
| 52   | 16 Bit | 67           | 35           | Bars Zone CCT and RGBW            |
| 53   | 16 Bit | 27           | 15           | Bars Zone Hue/Saturation          |
| 54   | 16 Bit | 27           | 15           | Bars Zone xy Coordinates          |
| 55   | 16 Bit | 51           | 27           | Bar Zone CCT and Hue/Saturation   |
| 56   | 8 Bit  | 34           |              | Grid Zone CCT and RGBW            |
| 57   | 8 Bit  | 14           |              | Grid Zone Hue/Saturation          |
| 58   | 8 Bit  | 14           |              | Grid Zone xy Coordinates          |
| 59   | 8 Bit  | 26           |              | Grid Zone CCT and Hue/Saturation  |
| 60   | 16 Bit | 66           |              | Grid Zone CCT and RGBW            |
| 61   | 16 Bit | 26           |              | Grid Zone Hue/Saturation          |
| 62   | 16 Bit | 26           |              | Grid Zone xy Coordinates          |
| 63   | 16 Bit | 50           |              | Grid Zone CCT and Hue/Saturation  |
| 64   | 8 Bit  | 32           | 16           | Multi-Zone RGBW Bare              |
| 65   | 8 Bit  | 37           | 21           | Multi-Zone RGBW and Master CCT    |
| 66   | 16 Bit | 64           | 32           | Multi-Zone RGBW Bare              |
| 67   | 16 Bit | 72           | 40           | Multi-Zone RGBW and Master CCT    |

## Fan Modes

| DMX Value   | Percentage   | Fan Mode | Description                                                                                                                                                                                                   |
|-------------|--------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 000 ... 009 | 0% ... 3%    | Auto     | Fans run variable speed; temperature controlled                                                                                                                                                               |
| 010 ... 049 | 4% ... 19%   | Quiet    | Fans will run constantly at low speed                                                                                                                                                                         |
| 050 ... 099 | 20% ... 38%  | Medium   | Fans will run constantly at medium speed                                                                                                                                                                      |
| 100 ... 149 | 39% ... 58%  | High     | Fans will run constantly at high speed                                                                                                                                                                        |
| 150 ... 249 | 59% ... 97%  | RESERVED | Reserved for future use                                                                                                                                                                                       |
| 250 ... 255 | 98% ... 100% | Pause    | Fans will stop, until maximum safe operating temperature is reached, then will run in Quiet mode. NOTE – This mode should be only used for short periods of time, as it will shorten the lifespan of the LEDs |

## Control Channel

To activate and store a setting: Start at 0, snap to the desired DMX value and hold for 3 seconds, then snap to 0. Acceptable hold range is 2.5 to 5 seconds.

When setting is activated, fixture will flash green quickly to indicate setting has been stored (unless indication flash is disabled via control channel)

DMX Smoothing control is INSTANT - no need to snap and hold for 3 seconds (and no indication flash is given). If you do hold for 3 seconds and snap back to 0, then this smoothing setting will be saved, so it is remembered after a power cycle.

| Slot Name       | DMX Value Min | DMX Value Max | Percentage Min | Percentage Max | Percentage Midpoint | Control Setting     | Control Value | Time required before valid                        |
|-----------------|---------------|---------------|----------------|----------------|---------------------|---------------------|---------------|---------------------------------------------------|
| Control Channel | 0             | 9             | 0.0%           | 3.5%           | 2%                  | No Changes          | No Changes    | No Changes                                        |
|                 | 10            | 19            | 3.9%           | 7.5%           | 6%                  | DMX Smoothing Mode  | Off           | Instant (to save: hold 3 Seconds, then snap to 0) |
|                 | 20            | 29            | 7.8%           | 11.4%          | 10%                 | DMX Smoothing Mode  | Smooth        | Instant (to save: hold 3 Seconds, then snap to 0) |
|                 | 30            | 39            | 11.8%          | 15.3%          | 14%                 | DMX Smoothing Mode  | Super Smooth  | Instant (to save: hold 3 Seconds, then snap to 0) |
|                 | 40            | 49            | 15.7%          | 19.2%          | 17%                 | No Changes          | No Changes    | No Changes                                        |
|                 | 50            | 54            | 19.6%          | 21.2%          | 20%                 | Dimming Curve       | Linear        | 3 Seconds, then snap to 0                         |
|                 | 55            | 59            | 21.6%          | 23.1%          | 22%                 | Dimming Curve       | Exponential   | 3 Seconds, then snap to 0                         |
|                 | 60            | 64            | 23.5%          | 25.1%          | 24%                 | Dimming Curve       | Logarithmic   | 3 Seconds, then snap to 0                         |
|                 | 65            | 69            | 25.5%          | 27.1%          | 26%                 | Dimming Curve       | S Curve       | 3 Seconds, then snap to 0                         |
|                 | 70            | 74            | 27.5%          | 29.0%          | 28%                 | High-Speed Mode     | Off           | 3 Seconds, then snap to 0                         |
|                 | 75            | 79            | 29.4%          | 31.0%          | 30%                 | High-Speed Mode     | On            | 3 Seconds, then snap to 0                         |
|                 | 80            | 84            | 31.4%          | 32.9%          | 32%                 | Blackout on Startup | Off           | 3 Seconds, then snap to 0                         |
|                 | 85            | 89            | 33.3%          | 34.9%          | 34%                 | Blackout on Startup | On            | 3 Seconds, then snap to 0                         |
|                 | 90            | 94            | 35.3%          | 36.9%          | 36%                 | Calibrated RGBW     | Off           | 3 Seconds, then snap to 0                         |
|                 | 95            | 99            | 37.3%          | 38.8%          | 38%                 | Calibrated RGBW     | On            | 3 Seconds, then snap to 0                         |
|                 | 100           | 104           | 39.2%          | 40.8%          | 40%                 | CRMX Unlink         | Unlink        | 3 Seconds, then snap to 0                         |

| Slot Name | DMX Value Min | DMX Value Max | Percentage Min | Percentage Max | Percentage Midpoint | Control Setting                                                   | Control Value | Time required before valid |
|-----------|---------------|---------------|----------------|----------------|---------------------|-------------------------------------------------------------------|---------------|----------------------------|
|           | 105           | 109           | 41.2%          | 42.7%          | 42%                 | CRMX Enabled (ignored if received via CRMX)                       | No            | 3 Seconds, then snap to 0  |
|           | 110           | 114           | 43.1%          | 44.7%          | 44%                 | CRMX Enabled (ignored if received via CRMX)                       | Yes           | 3 Seconds, then snap to 0  |
|           | 115           | 119           | 45.1%          | 46.7%          | 46%                 | CRMX BLE Enabled                                                  | No            | 3 Seconds, then snap to 0  |
|           | 120           | 124           | 47.1%          | 48.6%          | 48%                 | CRMX BLE Enabled                                                  | Yes           | 3 Seconds, then snap to 0  |
|           | 125           | 129           | 49.0%          | 50.6%          | 50%                 | DMX Forwarding                                                    | Off           | 3 Seconds, then snap to 0  |
|           | 130           | 134           | 51.0%          | 52.5%          | 52%                 | DMX Forwarding                                                    | On            | 3 Seconds, then snap to 0  |
|           | 135           | 139           | 52.9%          | 54.5%          | 54%                 | Master Mode                                                       | Off           | 3 Seconds, then snap to 0  |
|           | 140           | 144           | 54.9%          | 56.5%          | 56%                 | Master Mode                                                       | On            | 3 Seconds, then snap to 0  |
|           | 145           | 149           | 56.9%          | 58.4%          | 58%                 | Refresh FrameSync (re-lock onto sync)                             |               | 3 Seconds, then snap to 0  |
|           | 150           | 154           | 58.8%          | 60.4%          | 60%                 | Display always on                                                 | Off           | 3 Seconds, then snap to 0  |
|           | 155           | 159           | 60.8%          | 62.4%          | 62%                 | Display always on                                                 | On            | 3 Seconds, then snap to 0  |
|           | 160           | 164           | 62.7%          | 64.3%          | 64%                 | CRMX Transmitter Link                                             | Link          | 3 Seconds, then snap to 0  |
|           | 165           | 244           | 64.7%          | 95.7%          |                     | RESERVED                                                          |               |                            |
|           | 245           | 249           | 96.1%          | 97.6%          | 97%                 | Green indication flash when setting changed                       | Off           | 3 Seconds, then snap to 0  |
|           | 250           | 255           | 98.0%          | 100.0%         | 99%                 | Green indication flash when setting changed (default on power up) | On            | 3 Seconds, then snap to 0  |

## Effects Table for 8-bit and 16-bit modes

| Slot Name    | DMX Value   | Percentage       | Output Value            |
|--------------|-------------|------------------|-------------------------|
| Effects Mode | 000 ... 019 | 0.0% ... 7.5%    | No Effect               |
|              | 020 ... 029 | 7.8% ... 11.4%   | Strobe Effect           |
|              | 030 ... 039 | 11.8% ... 15.3%  | Random Effect           |
|              | 040 ... 049 | 15.7% ... 19.2%  | Flash Frames Effect     |
|              | 050 ... 059 | 19.6% ... 23.1%  | Dual Level Effect       |
|              | 060 ... 069 | 23.5% ... 27.1%  | Sync Flash Effect       |
|              | 070 ... 079 | 27.5% ... 31.0%  | Colour Cycle Effect     |
|              | 080 ... 089 | 31.4% ... 34.9%  | Candle & Fire Effect    |
|              | 090 ... 099 | 35.3% ... 38.8%  | Emergency Lights Effect |
|              | 100 ... 109 | 39.2% ... 42.7%  | Television Effect       |
|              | 110 ... 119 | 43.1% ... 46.7%  | Paparazzi Effect        |
|              | 120 ... 129 | 47.1% ... 50.6%  | Party Effect            |
|              | 130 ... 139 | 51.0% ... 54.5%  | Pulse Effect            |
|              | 140 ... 249 | 54.9% ... 97.6%  | RESERVED                |
|              | 250 ... 255 | 98.0% ... 100.0% | Calibrate Sync          |

### Strobe Effect

| Slot Name         | DMX Value   | Percentage      | Output Value                                     |
|-------------------|-------------|-----------------|--------------------------------------------------|
| Effects Mode      | 020 ... 029 | 7.8% ... 11.4%  | <b>Strobe Effect Selected</b>                    |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0% | <b>Speed</b>                                     |
|                   |             |                 | 0.1 ... 50 Hz (Flashes / Second)                 |
| Effects Channel 2 | 000 ... 255 | 0.0% ... 100.0% | <b>Duty Cycle (ratio of light ON / OFF time)</b> |
|                   |             |                 | 1 ... 99 %                                       |
| Effects Channel 3 | 000 ... 255 | 0.0% ... 100.0% | <b>Sync</b>                                      |
|                   |             |                 | Restarts effect if bumped to 255 (100%)          |

### Random Effect

| Slot Name         | DMX Value   | Percentage      | Output Value                                 |
|-------------------|-------------|-----------------|----------------------------------------------|
| Effects Mode      | 030 ... 039 | 11.8% ... 15.3% | <b>Random Effect Selected</b>                |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0% | <b>Speed</b>                                 |
|                   |             |                 | 0.05 ... 5 Hz (Flashes / Second, Randomised) |
| Effects Channel 2 | 000 ... 255 | 0.0% ... 100.0% | <b>Flash Length</b>                          |
|                   |             |                 | 1 ... 200mS (randomised)                     |
| Effects Channel 3 | 000 ... 255 | 0.0% ... 100.0% | <b>Variation in Flash Brightness</b>         |
|                   |             |                 | 0 ... 100% (randomised)                      |

### Flash Frames Effect (Sync input required)

| Slot Name         | DMX Value   | Percentage       | Output Value                                                                                                                                                     |
|-------------------|-------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Effects Mode      | 040 ... 049 | 15.7% ... 19.2%  | <b>Flash Frames Effect Selected</b>                                                                                                                              |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0%  | <b>Frame Off Level</b><br>0 - 100% (Brightness)                                                                                                                  |
| Effects Channel 2 |             |                  | <b>Number of Frames light is ON.</b><br>If using multiple units and this value is changed, sync should be re-connected to make sure all units are in sync        |
|                   | 000         | 0.0%             | 1 Frame On                                                                                                                                                       |
|                   | 001 ... 255 | 0.4% ... 100.0%  | 1 - 255 Frames On                                                                                                                                                |
| Effects Channel 3 |             |                  | <b>Number of Frames light is OFF</b><br>If using multiple units and this value is changed, sync should be re-connected to make sure all units are in sync        |
|                   | 000         | 0.0%             | 1 Frame Off                                                                                                                                                      |
|                   | 001 ... 255 | 0.4% ... 100.0%  | 1 - 255 Frames Off                                                                                                                                               |
| Effects Channel 4 | 000 ... 255 | 0.0% ... 100.0%  | <b>Number of Frames to Offset effect by</b><br>If using multiple units and this value is changed, sync should be re-connected to make sure all units are in sync |
|                   |             |                  | 0-255 Frames                                                                                                                                                     |
|                   |             |                  |                                                                                                                                                                  |
| Effects Channel 5 |             |                  | <b>Effect Enabled.</b>                                                                                                                                           |
|                   | 000 ... 127 | 0.0% ... 49.8%   | Effect Enabled                                                                                                                                                   |
|                   | 128 ... 255 | 50.2% ... 100.0% | Effect Disabled                                                                                                                                                  |

### Dual Level Effect (Can be triggered via Sync Input)

| Slot Name         | DMX Value   | Percentage       | Output Value                                  |
|-------------------|-------------|------------------|-----------------------------------------------|
| Effects Mode      | 050 ... 059 | 19.6% ... 23.1%  | <b>Dual Level Effect Selected</b>             |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0%  | <b>Flash Level</b><br>0 ... 100% (brightness) |
| Effects Channel 2 |             |                  | <b>Effect Enabled</b>                         |
|                   | 000 ... 127 | 0.0% ... 49.8%   | Effect Disabled                               |
|                   | 128 ... 255 | 50.2% ... 100.0% | Effect Enabled                                |
| Effects Channel 3 |             |                  | <b>Level Select</b>                           |
|                   | 000 ... 127 | 0.0% ... 49.8%   | Normal                                        |
|                   | 128 ... 255 | 50.2% ... 100.0% | Flash Level                                   |

### Sync Flash Effect (Can be triggered via Sync Input)

| Slot Name         | DMX Value   | Percentage       | Output Value                      |
|-------------------|-------------|------------------|-----------------------------------|
| Effects Mode      | 060 ... 069 | 23.5% ... 27.1%  | <b>Sync Flash Effect Selected</b> |
| Effects Channel 1 |             |                  | <b>Flash Level</b>                |
|                   | 000 ... 255 | 0.0% ... 100.0%  | 0 ... 100% (brightness)           |
| Effects Channel 2 |             |                  | <b>Flash Time</b>                 |
|                   | 000 ... 009 | 0.0% ... 3.5%    | 1/5000 <sup>th</sup> Second       |
|                   | 010 ... 019 | 3.9% ... 7.5%    | 1/2000 <sup>th</sup> Second       |
|                   | 020 ... 029 | 7.8% ... 11.4%   | 1/1000 <sup>th</sup> Second       |
|                   | 030 ... 039 | 11.8% ... 15.3%  | 1/800 <sup>th</sup> Second        |
|                   | 040 ... 049 | 15.7% ... 19.2%  | 1/500 <sup>th</sup> Second        |
|                   | 050 ... 059 | 19.6% ... 23.1%  | 1/320 <sup>th</sup> Second        |
|                   | 060 ... 069 | 23.5% ... 27.1%  | 1/250 <sup>th</sup> Second        |
|                   | 070 ... 079 | 27.5% ... 31.0%  | 1/125 <sup>th</sup> Second        |
|                   | 080 ... 089 | 31.4% ... 34.9%  | 1/60 <sup>th</sup> Second         |
|                   | 090 ... 099 | 35.3% ... 38.8%  | 1/30 <sup>th</sup> Second         |
|                   | 100 ... 109 | 39.2% ... 42.7%  | 1/15 <sup>th</sup> Second         |
|                   | 110 ... 119 | 43.1% ... 46.7%  | 1/10 <sup>th</sup> Second         |
|                   | 120 ... 129 | 47.1% ... 50.6%  | 1/5 <sup>th</sup> Second          |
|                   | 130 ... 255 | 51.0% ... 100.0% | RESERVED                          |
| Effects Channel 3 |             |                  | <b>Effect Enabled</b>             |
|                   | 000 ... 127 | 0.0% ... 49.8%   | Effect Disabled                   |
|                   | 128 ... 255 | 50.2% ... 100.0% | Effect Enabled                    |
| Effects Channel 4 |             |                  | <b>Trigger Effect</b>             |
|                   | 000 ... 127 | 0.0% ... 49.8%   | Trigger OFF                       |
|                   | 128 ... 255 | 50.2% ... 100.0% | Trigger ON (start timed flash)    |

### Colour Cycle Effect

| Slot Name         | DMX Value   | Percentage      | Output Value                            |
|-------------------|-------------|-----------------|-----------------------------------------|
| Effects Mode      | 070 ... 079 | 27.5% ... 31.0% | <b>Colour Cycle Effect Selected</b>     |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0% | <b>Speed</b>                            |
|                   |             |                 | 1 ... 100%                              |
| Effects Channel 2 | 000 ... 255 | 0.0% ... 100.0% | <b>Hue Offset</b>                       |
|                   |             |                 | 0 ... 360 Degrees                       |
| Effects Channel 3 | 000 ... 255 | 0.0% ... 100.0% | <b>Sync</b>                             |
|                   |             |                 | Restarts effect if bumped to 255 (100%) |

## Candle & Fire Effect

| Slot Name         | DMX Value   | Percentage       | Output Value                               |
|-------------------|-------------|------------------|--------------------------------------------|
| Effects Mode      | 080 ... 089 | 31.4% ... 34.9%  | <b>Candle &amp; Fire Effect Selected</b>   |
| Effects Channel 1 |             |                  | <b>Preset</b>                              |
|                   | 000 ... 019 | 0.0% ... 7.5%    | CUSTOM (use effect channel settings below) |
|                   | 020 ... 039 | 7.8% ... 15.3%   | CALM CANDLE                                |
|                   | 040 ... 059 | 15.7% ... 23.1%  | WINDY CANDLE                               |
|                   | 060 ... 079 | 23.5% ... 31.0%  | FIREPLACE                                  |
|                   | 080 ... 099 | 31.4% ... 38.8%  | CAMPFIRE                                   |
|                   | 100 ... 119 | 39.2% ... 46.7%  | BONFIRE                                    |
|                   | 120 ... 139 | 47.1% ... 54.5%  | INFERNO                                    |
|                   | 140 ... 159 | 54.9% ... 62.4%  | GAS FIRE                                   |
|                   | 160 ... 255 | 62.7% ... 100.0% | RESERVED                                   |
| Effects Channel 2 |             |                  | <b>Intensity</b>                           |
|                   | 000 ... 255 | 0.0% ... 100.0%  | 0 ... 100%                                 |
| Effects Channel 3 |             |                  | <b>Speed</b>                               |
|                   | 000 ... 255 | 0.0% ... 100.0%  | 0 ... 100%                                 |
| Effects Channel 4 |             |                  | <b>Colour Temperature</b>                  |
|                   | 000 ... 244 | 0.0% ... 95.7%   | 1400 – 5600K                               |
|                   | 245 ... 255 | 96.1% ... 100.0% | Use Colour Mode Slots to set colour        |

## Emergency Lights Effect

| Slot Name         | DMX Value   | Percentage      | Output Value                               |
|-------------------|-------------|-----------------|--------------------------------------------|
| Effects Mode      | 090 ... 099 | 35.3% ... 38.8% | <b>Emergency Lights Effect Selected</b>    |
| Effects Channel 1 |             |                 | <b>Preset</b>                              |
|                   | 000 ... 009 | 0.0% ... 3.5%   | CUSTOM (use effect channel settings below) |
|                   | 010 ... 019 | 3.9% ... 7.5%   | BLUE SLOW                                  |
|                   | 020 ... 029 | 7.8% ... 11.4%  | BLUE FAST                                  |
|                   | 030 ... 039 | 11.8% ... 15.3% | BLUE DOUBLE                                |
|                   | 040 ... 049 | 15.7% ... 19.2% | BLUE BURST                                 |
|                   | 050 ... 059 | 19.6% ... 23.1% | BLUE/RED SLOW                              |
|                   | 060 ... 069 | 23.5% ... 27.1% | BLUE/RED FAST                              |
|                   | 070 ... 079 | 27.5% ... 31.0% | BLUE/RED DOUBLE                            |
|                   | 080 ... 089 | 31.4% ... 34.9% | BLUE/RED BURST                             |
|                   | 090 ... 099 | 35.3% ... 38.8% | BLUE/RED RAPID                             |
|                   | 100 ... 109 | 39.2% ... 42.7% | BLUE/RED/WHITE RAPID                       |
|                   | 110 ... 119 | 43.1% ... 46.7% | RED WARNING                                |
|                   | 120 ... 129 | 47.1% ... 50.6% | AMBER PING                                 |

| Slot Name         | DMX Value   | Percentage       | Output Value                        |
|-------------------|-------------|------------------|-------------------------------------|
|                   | 130 ... 139 | 51.0% ... 54.5%  | MEGENTA BURST                       |
|                   | 140 ... 255 | 54.9% ... 100.0% | RESERVED                            |
| Effects Channel 2 |             |                  | <b>Colour Combination</b>           |
|                   | 000 ... 014 | 0.0% ... 5.5%    | BLUE                                |
|                   | 015 ... 029 | 5.9% ... 11.4%   | BLUE, RED                           |
|                   | 030 ... 044 | 11.8% ... 17.3%  | BLUE, WHITE                         |
|                   | 045 ... 059 | 17.6% ... 23.1%  | BLUE, AMBER                         |
|                   | 060 ... 074 | 23.5% ... 29.0%  | BLUE, WHITE, RED                    |
|                   | 075 ... 089 | 29.4% ... 34.9%  | BLUE, AMBER, RED                    |
|                   | 090 ... 104 | 35.3% ... 40.8%  | RED, AMBER                          |
|                   | 105 ... 119 | 41.2% ... 46.7%  | RED                                 |
|                   | 120 ... 134 | 47.1% ... 52.5%  | AMBER                               |
|                   | 135 ... 149 | 52.9% ... 58.4%  | MAGENTA                             |
|                   | 150 ... 164 | 58.8% ... 64.3%  | GREEN                               |
|                   | 165 ... 179 | 64.7% ... 70.2%  | WHITE                               |
|                   | 180 ... 244 | 70.6% ... 95.7%  | RESERVED                            |
|                   | 245 ... 255 | 96.1% ... 100.0% | Use Colour Mode Slots to set colour |
| Effects Channel 3 |             |                  | <b>Flashes</b>                      |
|                   | 000 ... 009 | 0.0% ... 3.5%    | 1 Flash                             |
|                   | 010 ... 019 | 3.9% ... 7.5%    | 2 Flashes                           |
|                   | 020 ... 029 | 7.8% ... 11.4%   | 3 Flashes                           |
|                   | 030 ... 039 | 11.8% ... 15.3%  | 4 Flashes                           |
|                   | ...         |                  | ...                                 |
|                   | 180 ... 189 | 70.6% ... 74.1%  | 19 Flashes                          |
|                   | 190 ... 199 | 74.5% ... 78.0%  | 20 Flashes                          |
|                   | 200 ... 255 | 78.4% ... 100.0% | RESERVED                            |
| Effects Channel 4 |             |                  | <b>Speed</b>                        |
|                   | 000 ... 255 | 0.0% ... 100.0%  | 0 ... 100%                          |
| Effects Channel 5 |             |                  | <b>Pause Time</b>                   |
|                   | 000 ... 255 | 0.0% ... 100.0%  | 0 ... 2 Seconds                     |

### Television Effect

| Slot Name         | DMX Value   | Percentage      | Output Value                      |
|-------------------|-------------|-----------------|-----------------------------------|
| Effects Mode      | 100 ... 109 | 39.2% ... 42.7% | <b>Television Effect Selected</b> |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0% | <b>Speed</b><br>0 ... 100%        |

| Slot Name         | DMX Value   | Percentage      | Output Value                                                                                                                              |
|-------------------|-------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Effects Channel 2 | 000 ... 255 | 0.0% ... 100.0% | <b>Intensity</b><br>0 ... 100%                                                                                                            |
| Effects Channel 3 | 000 ... 255 | 0.0% ... 100.0% | <b>Colour Temperature</b><br>2,200 ... 10,000K. Random CCT and Green/Magenta values around chosen Colour Temperature are used for effect. |

### Paparazzi Effect

| Slot Name         | DMX Value   | Percentage      | Output Value                        |
|-------------------|-------------|-----------------|-------------------------------------|
| Effects Mode      | 110 ... 119 | 43.1% ... 46.7% | <b>Paparazzi Effect Selected</b>    |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0% | <b>Speed</b><br>0 ... 100%          |
| Effects Channel 2 | 000 ... 255 | 0.0% ... 100.0% | <b>Decay Speed</b><br>0 ... 100%    |
| Effects Channel 3 |             |                 | <b>Colour Temperature</b>           |
|                   | 000 ... 244 |                 | 1,700 ... 15,000K.                  |
|                   | 245 ... 255 |                 | Use Colour Mode Slots to set colour |

### Party Effect

| Slot Name         | DMX Value   | Percentage       | Output Value                 |
|-------------------|-------------|------------------|------------------------------|
| Effects Mode      | 120 ... 129 | 47.1% ... 50.6%  | <b>Party Effect Selected</b> |
| Effects Channel 1 |             |                  | <b>Palette</b>               |
|                   | 000 ... 019 | 0.0% ... 7.5%    | PRIMARY 6                    |
|                   | 020 ... 039 | 7.8% ... 15.3%   | PRIMERY 12                   |
|                   | 040 ... 059 | 15.7% ... 23.1%  | PRIMERY 24                   |
|                   | 060 ... 079 | 23.5% ... 31.0%  | WARM                         |
|                   | 080 ... 099 | 31.4% ... 38.8%  | COOL                         |
|                   | 100 ... 119 | 39.2% ... 46.7%  | WARM & COOL                  |
|                   | 120 ... 139 | 47.1% ... 54.5%  | PASTEL                       |
|                   | 140 ... 159 | 54.9% ... 62.4%  | PURPLE RAIN                  |
|                   | 160 ... 179 | 62.7% ... 70.2%  | ULTRAVIOLET                  |
|                   | 180 ... 255 | 70.6% ... 100.0% | RESERVED                     |
| Effects Channel 2 |             |                  | <b>Speed</b>                 |
|                   | 000 ... 255 | 0.0% ... 100.0%  | 0 ... 100%                   |
|                   |             |                  | <b>Transition Type</b>       |
|                   | 000 ... 039 | 0.0% ... 15.3%   | IMMEDIATE                    |

| Slot Name         | DMX Value   | Percentage       | Output Value                  |
|-------------------|-------------|------------------|-------------------------------|
| Effects Channel 3 | 040 ... 079 | 15.7% ... 31.0%  | FADE                          |
|                   | 080 ... 119 | 31.4% ... 46.7%  | FADE, RANDOM TRANSITION SPEED |
|                   | 120 ... 255 | 47.1% ... 100.0% | RESERVED                      |
| Effects Channel 4 |             |                  | <b>Transition Speed</b>       |
|                   | 000 ... 255 | 0.0% ... 100.0%  | 0 ... 100%                    |

### Pulse Effect

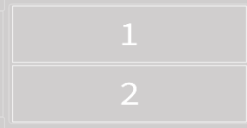
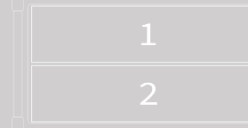
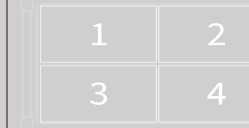
| Slot Name         | DMX Value   | Percentage      | Output Value                     |
|-------------------|-------------|-----------------|----------------------------------|
| Effects Mode      | 130 ... 139 | 51.0% ... 54.5% | <b>Pulse Effect Selected</b>     |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0% | <b>Frequency</b><br>0 ... 100%   |
| Effects Channel 2 | 000 ... 255 | 0.0% ... 100.0% | <b>Pulse Speed</b><br>0 ... 100% |

### Calibrated Sync Effect (Sync input required)

| Slot Name         | DMX Value   | Percentage       | Output Value                                                                                                                                                               |
|-------------------|-------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Effects Mode      | 250 ... 255 | 98.0% ... 100.0% | <b>Calibrate Sync Effect Selected</b>                                                                                                                                      |
| Effects Channel 1 | 000 ... 255 | 0.0% ... 100.0%  | <b>Sync Phase.</b><br><i>Note: Sync phase is ignored if unit set to 'Receive Sync via DMX', it should be set on Master Unit.</i><br>0 ... 360° (Phase = DMX Value * 1.412) |

## Pixel Orientation

| DMX Value   | Percentage   | Description             |
|-------------|--------------|-------------------------|
| 000 ... 019 | 0% ... 7%    | Vertical Stripes        |
| 020 ... 039 | 7% ... 15%   | Horizontal Stripes      |
| 040 ... 255 | 15% ... 100% | Reserved for future use |

|        | Zones                                                                             | Split Vertical                                                                    | Split Horizontal                                                                   | Bars Vertical                                                                       | Bars Horizontal                                                                     | Grid                                                                                |
|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| V<br>8 |  |  |  |  |  |  |
| V<br>4 |  |  |  |  |  |  |

## Mode 1: 8-bit – CCT and RGBW

| Slot No | Slot Name            | DMX Value   | Output Value              |
|---------|----------------------|-------------|---------------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%                |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 3       | Green/Magenta        | 000 ... 010 | Neutral                   |
|         |                      | 011 ... 133 | -100 to -1 Green          |
|         |                      | 134         | Neutral                   |
|         |                      | 135 ... 255 | +1 to +100 Green          |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 5       | Red                  | 000 ... 255 | 0 ... 100%                |
| 6       | Green                | 000 ... 255 | 0 ... 100%                |
| 7       | Blue                 | 000 ... 255 | 0 ... 100%                |
| 8       | White                | 000 ... 255 | 0 ... 100%                |
| 9       | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 10      | Control Channel      | 000 ... 255 | See Control Channel Table |

## Mode 2: 8-bit – CCT

| Slot No | Slot Name       | DMX Value   | Output Value              |
|---------|-----------------|-------------|---------------------------|
| 1       | Master Level    | 000 ... 255 | 0 ... 100%                |
| 2       | CCT             | 000 ... 255 | 2200 ... 15000K           |
| 3       | Green/Magenta   | 000 ... 010 | Neutral                   |
|         |                 | 011 ... 133 | -100 to -1 Green          |
|         |                 | 134         | Neutral                   |
|         |                 | 135 ... 255 | +1 to +100 Green          |
| 4       | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 5       | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 3: 8-bit – CCT and Hue/Saturation

| Slot No | Slot Name            | DMX Value   | Output Value              |
|---------|----------------------|-------------|---------------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%                |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 3       | Green/Magenta        | 000 ... 010 | Neutral                   |
|         |                      | 011 ... 133 | -100 to -1 Green          |
|         |                      | 134         | Neutral                   |
|         |                      | 135 ... 255 | +1 to +100 Green          |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 5       | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 6       | Saturation           | 000 ... 255 | 0 ... 100%                |
| 7       | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 8       | Control Channel      | 000 ... 255 | See Control Channel Table |

## Mode 4: 8-bit – RGBW

| Slot No | Slot Name       | DMX Value   | Output Value              |
|---------|-----------------|-------------|---------------------------|
| 1       | Master Level    | 000 ... 255 | 0 ... 100%                |
| 2       | Red             | 000 ... 255 | 0 ... 100%                |
| 3       | Green           | 000 ... 255 | 0 ... 100%                |
| 4       | Blue            | 000 ... 255 | 0 ... 100%                |
| 5       | White           | 000 ... 255 | 0 ... 100%                |
| 6       | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 7       | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 5: 8-bit – Hue/Saturation

| Slot No | Slot Name       | DMX Value   | Output Value              |
|---------|-----------------|-------------|---------------------------|
| 1       | Master Level    | 000 ... 255 | 0 ... 100%                |
| 2       | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 3       | Saturation      | 000 ... 255 | 0 ... 100%                |
| 4       | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 5       | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 6: 16-bit – CCT and RGBW

| Slot No | Slot Name            |    | DMX Value       | Output Value     |
|---------|----------------------|----|-----------------|------------------|
| 1       | Master Level         | HI | 00000 ... 65535 | 0 ... 100%       |
| 2       |                      | LO |                 |                  |
| 3       | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K  |
| 4       |                      | LO |                 |                  |
| 5       | Green/Magenta        | HI | 00000 ... 05000 | Neutral          |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green |
|         |                      |    | 35268           | Neutral          |
| 6       |                      | LO | 35269 ... 65535 | +1 to +100 Green |
| 7       | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%       |
| 8       |                      | LO |                 |                  |
| 9       | Red                  | HI | 00000 ... 65535 | 0 ... 100%       |
| 10      |                      | LO |                 |                  |
| 11      | Green                | HI | 00000 ... 65535 | 0 ... 100%       |
| 12      |                      | LO |                 |                  |
| 13      | Blue                 | HI | 00000 ... 65535 | 0 ... 100%       |
| 14      |                      | LO |                 |                  |
| 15      | White                | HI |                 | 0 ... 100%       |

| Slot No | Slot Name       |    | DMX Value       | Output Value              |
|---------|-----------------|----|-----------------|---------------------------|
| 16      |                 | LO | 00000 ... 65535 |                           |
| 17      | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 18      | Control Channel |    | 000 ... 255     | See Control Channel Table |

### Mode 7: 16-bit – CCT

| Slot No | Slot Name       |    | DMX Value       | Output Value              |
|---------|-----------------|----|-----------------|---------------------------|
| 1       | Master Level    | HI | 00000 ...       | 0 ... 100%                |
| 2       |                 | LO | 65535           |                           |
| 3       | CCT             | HI | 00000 ...       | 2200 ... 15000K           |
| 4       |                 | LO | 65535           |                           |
| 5       | Green/Magenta   | HI | 00000 ... 05000 | Neutral                   |
|         |                 |    | 05001 ... 35267 | -100 to -1 Green          |
|         |                 |    | 35268           | Neutral                   |
| 6       |                 | LO | 35269 ... 65535 | +1 to +100 Green          |
| 7       | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 8       | Control Channel |    | 000 ... 255     | See Control Channel Table |

### Mode 8: 16-bit – CCT and Hue/Saturation

| Slot No | Slot Name            |    | DMX Value       | Output Value      |
|---------|----------------------|----|-----------------|-------------------|
| 1       | Master Level         | HI | 00000 ...       | 0 ... 100%        |
| 2       |                      | LO | 65535           |                   |
| 3       | CCT                  | HI | 00000 ...       | 2200 ... 15000K   |
| 4       |                      | LO | 65535           |                   |
| 5       | Green/Magenta        | HI | 00000 ... 05000 | Neutral           |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green  |
|         |                      |    | 35268           | Neutral           |
| 6       |                      | LO | 35269 ... 65535 | +1 to +100 Green  |
| 7       | CCT-Colour Crossfade | HI | 00000 ...       | 0 ... 100%        |
| 8       |                      | LO | 65535           |                   |
| 9       | Hue                  | HI | 00000 ...       | 0 ... 360 Degrees |
| 10      |                      | LO | 65535           |                   |
| 11      | Saturation           | HI | 00000 ...       | 0 ... 100%        |
| 12      |                      | LO | 65535           |                   |

| Slot No | Slot Name       |  | DMX Value   | Output Value              |
|---------|-----------------|--|-------------|---------------------------|
| 13      | Fan Mode        |  | 000 ... 255 | See Fan Mode Table        |
| 14      | Control Channel |  | 000 ... 255 | See Control Channel Table |

### Mode 9: 16-bit – RGBW

| Slot No | Slot Name       |    | DMX Value   | Output Value              |
|---------|-----------------|----|-------------|---------------------------|
| 1       | Master Level    | HI | 00000 ...   | 0 ... 100%                |
| 2       |                 | LO | 65535       |                           |
| 3       | Red             | HI | 00000 ...   | 0 ... 100%                |
| 4       |                 | LO | 65535       |                           |
| 5       | Green           | HI | 00000 ...   | 0 ... 100%                |
| 6       |                 | LO | 65535       |                           |
| 7       | Blue            | HI | 00000 ...   | 0 ... 100%                |
| 8       |                 | LO | 65535       |                           |
| 9       | White           | HI | 00000 ...   | 0 ... 100%                |
| 10      |                 | LO | 65535       |                           |
| 11      | Fan Mode        |    | 000 ... 255 | See Fan Mode Table        |
| 12      | Control Channel |    | 000 ... 255 | See Control Channel Table |

### Mode 10: 16-bit – Hue/Saturation

| Slot No | Slot Name       |    | DMX Value   | Output Value              |
|---------|-----------------|----|-------------|---------------------------|
| 1       | Master Level    | HI | 00000 ...   | 0 ... 100%                |
| 2       |                 | LO | 65535       |                           |
| 3       | Hue             | HI | 00000 ...   | 0 ... 360 Degrees         |
| 4       |                 | LO | 65535       |                           |
| 5       | Saturation      | HI | 00000 ...   | 0 ... 100%                |
| 6       |                 | LO | 65535       |                           |
| 7       | Fan Mode        |    | 000 ... 255 | See Fan Mode Table        |
| 8       | Control Channel |    | 000 ... 255 | See Control Channel Table |

### Mode 11: 8-bit – xy Coordinates

| Slot No | Slot Name       | DMX Value   | Output Value              |
|---------|-----------------|-------------|---------------------------|
| 1       | Master Level    | 000 ... 255 | 0 ... 100%                |
| 2       | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 3       | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| 4       | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 5       | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 12: 8-bit – CCT and xy Coordinates

| Slot No | Slot Name            | DMX Value   | Output Value              |
|---------|----------------------|-------------|---------------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%                |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 3       | Green/Magenta        | 000 ... 010 | Neutral                   |
|         |                      | 011 ... 133 | -100 to -1 Green          |
|         |                      | 134         | Neutral                   |
|         |                      | 135 ... 255 | +1 to +100 Green          |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 5       | x Coordinate         | 000 ... 255 | 0 ... 0.8x                |
| 6       | y Coordinate         | 000 ... 255 | 0 ... 0.8y                |
| 7       | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 8       | Control Channel      | 000 ... 255 | See Control Channel Table |

## Mode 13: 16-bit – xy Coordinates

| Slot No | Slot Name       |    | DMX Value   | Output Value              |
|---------|-----------------|----|-------------|---------------------------|
| 1       | Master Level    | HI | 00000 ...   | 0 ... 100%                |
| 2       |                 | LO | 65535       |                           |
| 3       | x Coordinate    | HI | 00000 ...   | 0 ... 0.8x                |
| 4       |                 | LO | 65535       |                           |
| 5       | y Coordinate    | HI | 00000 ...   | 0 ... 0.8y                |
| 6       |                 | LO | 65535       |                           |
| 7       | Fan Mode        |    | 000 ... 255 | See Fan Mode Table        |
| 8       | Control Channel |    | 000 ... 255 | See Control Channel Table |

## Mode 14: 16-bit – CCT and xy Coordinates

| Slot No | Slot Name            |    | DMX Value          | Output Value     |
|---------|----------------------|----|--------------------|------------------|
| 1       | Master Level         | HI | 00000 ...          | 0 ... 100%       |
| 2       |                      | LO | 65535              |                  |
| 3       | CCT                  | HI | 00000 ...          | 2200 ... 15000K  |
| 4       |                      | LO | 65535              |                  |
| 5       | Green/Magenta        | HI | 00000 ...<br>05000 | Neutral          |
|         |                      |    | 05001 ...<br>35267 | -100 to -1 Green |
|         |                      |    | 35268              | Neutral          |
|         |                      | LO | 35269 ...<br>65535 | +1 to +100 Green |
| 7       | CCT-Colour Crossfade | HI | 00000 ...          | 0 ... 100%       |
| 8       |                      | LO | 65535              |                  |
| 9       | x Coordinate         | HI |                    | 0 ... 0.8x       |

| Slot No | Slot Name       |    | DMX Value       | Output Value              |
|---------|-----------------|----|-----------------|---------------------------|
| 10      |                 | LO | 00000 ... 65535 |                           |
| 11      | y Coordinate    | HI | 00000 ...       | 0 ... 0.8y                |
| 12      |                 | LO | 65535           |                           |
| 13      | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 14      | Control Channel |    | 000 ... 255     | See Control Channel Table |

## Mode 15: 8-bit – CCT and Hue/Saturation with Effects

| Slot No | Slot Name            | DMX Value   | Output Value              |
|---------|----------------------|-------------|---------------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%                |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 3       | Green/Magenta        | 000 ... 010 | Neutral                   |
|         |                      | 011 ... 133 | -100 to -1 Green          |
|         |                      | 134         | Neutral                   |
|         |                      | 135 ... 255 | +1 to +100 Green          |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 5       | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 6       | Saturation           | 000 ... 255 | 0 ... 100%                |
| 7       | Effects Mode         | 000 ... 255 | See Effects Tables        |
| 8       | Effects Channel 1    | 000 ... 255 |                           |
| 9       | Effects Channel 2    | 000 ... 255 |                           |
| 10      | Effects Channel 3    | 000 ... 255 |                           |
| 11      | Effects Channel 4    | 000 ... 255 |                           |
| 12      | Effects Channel 5    | 000 ... 255 |                           |
| 13      | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 14      | Control Channel      | 000 ... 255 | See Control Channel Table |

## Mode 16: 8-bit – CCT and RGBW with Effects

| Slot No | Slot Name            | DMX Value   | Output Value     |
|---------|----------------------|-------------|------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%       |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K  |
| 3       | Green/Magenta        | 000 ... 010 | Neutral          |
|         |                      | 011 ... 133 | -100 to -1 Green |
|         |                      | 134         | Neutral          |
|         |                      | 135 ... 255 | +1 to +100 Green |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%       |
| 5       | Red                  | 000 ... 255 | 0 ... 100%       |
| 6       | Green                | 000 ... 255 | 0 ... 100%       |
| 7       | Blue                 | 000 ... 255 | 0 ... 100%       |

| Slot No | Slot Name         | DMX Value   | Output Value              |
|---------|-------------------|-------------|---------------------------|
| 8       | White             | 000 ... 255 | 0 ... 100%                |
| 9       | Effects Mode      | 000 ... 255 | See Effects Tables        |
| 10      | Effects Channel 1 | 000 ... 255 |                           |
| 11      | Effects Channel 2 | 000 ... 255 |                           |
| 12      | Effects Channel 3 | 000 ... 255 |                           |
| 13      | Effects Channel 4 | 000 ... 255 |                           |
| 14      | Effects Channel 5 | 000 ... 255 |                           |
| 15      | Fan Mode          | 000 ... 255 | See Fan Mode Table        |
| 16      | Control Channel   | 000 ... 255 | See Control Channel Table |

### Mode 17: 8-bit – CCT and xy Coordinates with Effects

| Slot No | Slot Name            | DMX Value   | Output Value              |
|---------|----------------------|-------------|---------------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%                |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 3       | Green/Magenta        | 000 ... 010 | Neutral                   |
|         |                      | 011 ... 133 | -100 to -1 Green          |
|         |                      | 134         | Neutral                   |
|         |                      | 135 ... 255 | +1 to +100 Green          |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 5       | x Coordinate         | 000 ... 255 | 0 ... 0.8x                |
| 6       | y Coordinate         | 000 ... 255 | 0 ... 0.8y                |
| 7       | Effects Mode         | 000 ... 255 | See Effects Tables        |
| 8       | Effects Channel 1    | 000 ... 255 |                           |
| 9       | Effects Channel 2    | 000 ... 255 |                           |
| 10      | Effects Channel 3    | 000 ... 255 |                           |
| 11      | Effects Channel 4    | 000 ... 255 |                           |
| 12      | Effects Channel 5    | 000 ... 255 |                           |
| 13      | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 14      | Control Channel      | 000 ... 255 | See Control Channel Table |

### Mode 18: 16-bit CCT and Hue/Saturation with Effects

| Slot No | Slot Name     |    | DMX Value       | Output Value     |
|---------|---------------|----|-----------------|------------------|
| 1       | Master Level  | HI | 00000 ... 65535 | 0 ... 100%       |
| 2       |               | LO |                 |                  |
| 3       | CCT           | HI | 00000 ... 65535 | 2200 ... 15000K  |
| 4       |               | LO |                 |                  |
| 5       | Green/Magenta | HI | 00000 ... 05000 | Neutral          |
|         |               |    | 05001 ... 35267 | -100 to -1 Green |

| Slot No | Slot Name            |    | DMX Value       | Output Value              |
|---------|----------------------|----|-----------------|---------------------------|
|         |                      |    | 35268           | Neutral                   |
| 6       |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 7       | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 8       |                      | LO |                 |                           |
| 9       | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 10      |                      | LO |                 |                           |
| 11      | Saturation           | HI | 00000 ... 65535 | 0 ... 100%                |
| 12      |                      | LO |                 |                           |
| 13      | Effects Mode         |    | 000 ... 255     | See Effects Tables        |
| 14      | Effects Channel 1    |    | 000 ... 255     |                           |
| 15      | Effects Channel 2    |    | 000 ... 255     |                           |
| 16      | Effects Channel 3    |    | 000 ... 255     |                           |
| 17      | Effects Channel 4    |    | 000 ... 255     |                           |
| 18      | Effects Channel 5    |    | 000 ... 255     |                           |
| 19      | Fan Mode             |    | 000 ... 255     | See Fan Mode Table        |
| 20      | Control Channel      |    | 000 ... 255     | See Control Channel Table |

## Mode 19: 16-bit – CCT and RGBW with Effects

| Slot No | Slot Name            |    | DMX Value       | Output Value       |
|---------|----------------------|----|-----------------|--------------------|
| 1       | Master Level         | HI | 00000 ... 65535 | 0 ... 100%         |
| 2       |                      | LO |                 |                    |
| 3       | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K    |
| 4       |                      | LO |                 |                    |
| 5       | Green/Magenta        | HI | 00000 ... 05000 | Neutral            |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green   |
|         |                      |    | 35268           | Neutral            |
| 6       |                      | LO | 35269 ... 65535 | +1 to +100 Green   |
| 7       | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%         |
| 8       |                      | LO |                 |                    |
| 9       | Red                  | HI | 00000 ... 65535 | 0 ... 100%         |
| 10      |                      | LO |                 |                    |
| 11      | Green                | HI | 00000 ... 65535 | 0 ... 100%         |
| 12      |                      | LO |                 |                    |
| 13      | Blue                 | HI | 00000 ... 65535 | 0 ... 100%         |
| 14      |                      | LO |                 |                    |
| 15      | White                | HI | 00000 ... 65535 | 0 ... 100%         |
| 16      |                      | LO |                 |                    |
| 17      | Effects Mode         |    | 000 ... 255     | See Effects Tables |
| 18      | Effects Channel 1    |    | 000 ... 255     |                    |

| Slot No | Slot Name         |  | DMX Value   | Output Value              |
|---------|-------------------|--|-------------|---------------------------|
| 19      | Effects Channel 2 |  | 000 ... 255 |                           |
| 20      | Effects Channel 3 |  | 000 ... 255 |                           |
| 21      | Effects Channel 4 |  | 000 ... 255 |                           |
| 22      | Effects Channel 5 |  | 000 ... 255 |                           |
| 23      | Fan Mode          |  | 000 ... 255 | See Fan Mode Table        |
| 24      | Control Channel   |  | 000 ... 255 | See Control Channel Table |

## Mode 20: 16-bit – CCT and xy Coordinates with Effects

| Slot No | Slot Name              |    | DMX Value       | Output Value              |
|---------|------------------------|----|-----------------|---------------------------|
| 1       | Master Level           | HI | 00000 ... 65535 | 0 ... 100%                |
| 2       |                        | LO |                 |                           |
| 3       | CCT                    | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 4       |                        | LO |                 |                           |
| 5       | Green/Magenta          | HI | 00000 ... 05000 | Neutral                   |
|         |                        |    | 05001 ... 35267 | -100 to -1 Green          |
|         |                        |    | 35268           | Neutral                   |
| 6       |                        | LO | 35269 ... 65535 | +1 to +100 Green          |
| 7       | White-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 8       |                        | LO |                 |                           |
| 9       | x Coordinate           | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 10      |                        | LO |                 |                           |
| 11      | y Coordinate           | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 12      |                        | LO |                 |                           |
| 13      | Effects Mode           |    | 000 ... 255     | See Effects Tables        |
| 14      | Effects Channel 1      |    | 000 ... 255     |                           |
| 15      | Effects Channel 2      |    | 000 ... 255     |                           |
| 16      | Effects Channel 3      |    | 000 ... 255     |                           |
| 17      | Effects Channel 4      |    | 000 ... 255     |                           |
| 18      | Effects Channel 5      |    | 000 ... 255     |                           |
| 19      | Fan Mode               |    | 000 ... 255     | See Fan Mode Table        |
| 20      | Control Channel        |    | 000 ... 255     | See Control Channel Table |

## Mode 21: 8-bit – Gels

| Slot No | Slot Name    | DMX Value   | Output Value   |
|---------|--------------|-------------|----------------|
| 1       | Master Level | 000 ... 255 | 0 ... 100%     |
| 2       | Gel Library  | 000 ... 255 | See Gel Tables |
| 3       | Gel Swatch   | 000 ... 255 | See Gel Tables |
| 4       | Gel Source   | 000 ... 127 | 3200K Source   |

| Slot No | Slot Name       | DMX Value   | Output Value              |
|---------|-----------------|-------------|---------------------------|
|         |                 | 128 ... 255 | 5600K Source              |
| 5       | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 6       | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 22: 8-bit – CCT and Gels

| Slot No | Slot Name            | DMX Value   | Output Value                              |
|---------|----------------------|-------------|-------------------------------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%                                |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K                           |
| 3       | Green/Magenta        | 000 ... 010 | Neutral                                   |
|         |                      | 011 ... 133 | -100 to -1 Green                          |
|         |                      | 134         | Neutral                                   |
|         |                      | 135 ... 255 | +1 to +100 Green                          |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                                |
| 5       | Gel Library          | 000 ... 255 | See Gel Tables                            |
| 6       | Gel Swatch           | 000 ... 255 | See Gel Tables                            |
| 7       | Gel Source           | 000 ... 127 | 3200K Source                              |
|         |                      | 128 ... 255 | 5600K Source                              |
| 8       | Fan Mode             | 000 ... 255 | <a href="#">See Fan Mode Table</a>        |
| 9       | Control Channel      | 000 ... 255 | <a href="#">See Control Channel Table</a> |

## Mode 23: 8-bit – CCT and Gels with Effects

| Slot No | Slot Name            | DMX Value   | Output Value       |
|---------|----------------------|-------------|--------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%         |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K    |
| 3       | Green/Magenta        | 000 ... 010 | Neutral            |
|         |                      | 011 ... 133 | -100 to -1 Green   |
|         |                      | 134         | Neutral            |
|         |                      | 135 ... 255 | +1 to +100 Green   |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%         |
| 5       | Gel Library          | 000 ... 255 | See Gel Tables     |
| 6       | Gel Swatch           | 000 ... 255 | See Gel Tables     |
| 7       | Gel Source           | 000 ... 127 | 3200K Source       |
|         |                      | 128 ... 255 | 5600K Source       |
| 8       | Effects Mode         | 000 ... 255 | See Effects Tables |
| 9       | Effects Channel 1    | 000 ... 255 |                    |
| 10      | Effects Channel 2    | 000 ... 255 |                    |
| 11      | Effects Channel 3    | 000 ... 255 |                    |
| 12      | Effects Channel 4    | 000 ... 255 |                    |
| 13      | Effects Channel 5    | 000 ... 255 |                    |

| Slot No | Slot Name       | DMX Value   | Output Value              |
|---------|-----------------|-------------|---------------------------|
| 14      | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 15      | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 24: 16-bit Gels

| Slot No | Slot Name       |    | DMX Value   | Output Value              |
|---------|-----------------|----|-------------|---------------------------|
| 1       | Master Level    | HI | 00000 ...   | 0 ... 100%                |
| 2       |                 | LO | 65535       |                           |
| 3       | Gel Library     |    | 000 ... 255 | See Gel Tables            |
| 4       | Gel Swatch      |    | 000 ... 255 | See Gel Tables            |
| 5       | Gel Source      |    | 000 ... 127 | 3200K Source              |
|         |                 |    | 128 ... 255 | 5600K Source              |
| 6       | Fan Mode        |    | 000 ... 255 | See Fan Mode Table        |
| 7       | Control Channel |    | 000 ... 255 | See Control Channel Table |

## Mode 25: 16-bit – CCT and Gels

| Slot No | Slot Name            |    | DMX Value       | Output Value              |
|---------|----------------------|----|-----------------|---------------------------|
| 1       | Master Level         | HI | 00000 ...       | 0 ... 100%                |
| 2       |                      | LO | 65535           |                           |
| 3       | CCT                  | HI | 00000 ...       | 2200 ... 15000K           |
| 4       |                      | LO | 65535           |                           |
| 5       | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|         |                      |    | 35268           | Neutral                   |
| 6       |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 7       | CCT-Colour Crossfade | HI | 00000 ...       | 0 ... 100%                |
| 8       |                      | LO | 65535           |                           |
| 9       | Gel Library          |    | 000 ... 255     | See Gel Tables            |
| 10      | Gel Swatch           |    | 000 ... 255     | See Gel Tables            |
| 11      | Gel Source           |    | 000 ... 127     | 3200K Source              |
|         |                      |    | 128 ... 255     | 5600K Source              |
| 12      | Fan Mode             |    | 000 ... 255     | See Fan Mode Table        |
| 13      | Control Channel      |    | 000 ... 255     | See Control Channel Table |

## Mode 26: 16-bit – CCT and Gels with Effects

| Slot No | Slot Name            |    | DMX Value          | Output Value              |
|---------|----------------------|----|--------------------|---------------------------|
| 1       | Master Level         | HI | 00000 ...          | 0 ... 100%                |
| 2       |                      | LO | 65535              |                           |
| 3       | CCT                  | HI | 00000 ...          | 2200 ... 15000K           |
| 4       |                      | LO | 65535              |                           |
| 5       | Green/Magenta        | HI | 00000 ...<br>05000 | Neutral                   |
|         |                      |    | 05001 ...<br>35267 | -100 to -1 Green          |
|         |                      |    | 35268              | Neutral                   |
| 6       |                      | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| 7       |                      |    |                    |                           |
| 8       | CCT-Colour Crossfade | LO | 65535              | 0 ... 100%                |
| 9       | Gel Library          |    | 000 ... 255        | See Gel Tables            |
| 10      | Gel Swatch           |    | 000 ... 255        | See Gel Tables            |
| 11      | Gel Source           |    | 000 ... 127        | 3200K Source              |
|         |                      |    | 128 ... 255        | 5600K Source              |
| 12      | Effects Mode         |    | 000 ... 255        | See Effects Tables        |
| 13      | Effects Channel 1    |    | 000 ... 255        |                           |
| 14      | Effects Channel 2    |    | 000 ... 255        |                           |
| 15      | Effects Channel 3    |    | 000 ... 255        |                           |
| 16      | Effects Channel 4    |    | 000 ... 255        |                           |
| 17      | Effects Channel 5    |    | 000 ... 255        |                           |
| 18      | Fan Mode             |    | 000 ... 255        | See Fan Mode Table        |
| 19      | Control Channel      |    | 000 ... 255        | See Control Channel Table |

## Mode 27: 8-bit – Gels with Colour Bump

| Slot No | Slot Name          | DMX Value   | Output Value       |
|---------|--------------------|-------------|--------------------|
| 1       | Master Level       | 000 ... 255 | 0 ... 100%         |
| 2       | Gel Library        | 000 ... 255 | See Gel Tables     |
| 3       | Gel Swatch         | 000 ... 255 | See Gel Tables     |
| 4       | Gel Source         | 000 ... 127 | 3200K Source       |
|         |                    | 128 ... 255 | 5600K Source       |
| 5       | Bump Red/Cyan      | 000 ... 010 | Neutral            |
|         |                    | 011 ... 133 | 100% to 0% Cyan    |
|         |                    | 134         | Neutral            |
|         |                    | 135 ... 255 | 0% to 100% Red     |
| 6       | Bump Green/Magenta | 000 ... 010 | Neutral            |
|         |                    | 011 ... 133 | 100% to 0% Magenta |
|         |                    | 134         | Neutral            |
|         |                    | 135 ... 255 | 0% to 100% Green   |

| Slot No | Slot Name        | DMX Value   | Output Value              |
|---------|------------------|-------------|---------------------------|
| 7       | Bump Blue/Yellow | 000 ... 010 | Neutral                   |
|         |                  | 011 ... 133 | 100% to 0% Yellow         |
|         |                  | 134         | Neutral                   |
|         |                  | 135 ... 255 | 0% to 100% Blue           |
| 8       | Bump Saturation  | 000 ... 010 | Neutral                   |
|         |                  | 011 ... 133 | -100% to 0% Saturation    |
|         |                  | 134         | Neutral                   |
|         |                  | 135 ... 255 | 0% to 100% Saturation     |
| 9       | Fan Mode         | 000 ... 255 | See Fan Mode Table        |
| 10      | Control Channel  | 000 ... 255 | See Control Channel Table |

## Mode 28: 8-bit – CCT and Gels with Colour Bump

| Slot No | Slot Name            | DMX Value   | Output Value           |
|---------|----------------------|-------------|------------------------|
| 1       | Master Level         | 000 ... 255 | 0 ... 100%             |
| 2       | CCT                  | 000 ... 255 | 2200 ... 15000K        |
| 3       | Green/Magenta        | 000 ... 010 | Neutral                |
|         |                      | 011 ... 133 | -100 to -1 Green       |
|         |                      | 134         | Neutral                |
|         |                      | 135 ... 255 | +1 to +100 Green       |
| 4       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%             |
| 5       | Gel Library          | 000 ... 255 | See Gel Tables         |
| 6       | Gel Swatch           | 000 ... 255 | See Gel Tables         |
| 7       | Gel Source           | 000 ... 127 | 3200K Source           |
|         |                      | 128 ... 255 | 5600K Source           |
| 8       | Bump Red/Cyan        | 000 ... 010 | Neutral                |
|         |                      | 011 ... 133 | 100% to 0% Cyan        |
|         |                      | 134         | Neutral                |
|         |                      | 135 ... 255 | 0% to 100% Red         |
| 9       | Bump Green/Magenta   | 000 ... 010 | Neutral                |
|         |                      | 011 ... 133 | 100% to 0% Magenta     |
|         |                      | 134         | Neutral                |
|         |                      | 135 ... 255 | 0% to 100% Green       |
| 10      | Bump Blue/Yellow     | 000 ... 010 | Neutral                |
|         |                      | 011 ... 133 | 100% to 0% Yellow      |
|         |                      | 134         | Neutral                |
|         |                      | 135 ... 255 | 0% to 100% Blue        |
| 11      | Bump Saturation      | 000 ... 010 | Neutral                |
|         |                      | 011 ... 133 | -100% to 0% Saturation |
|         |                      | 134         | Neutral                |
|         |                      | 135 ... 255 | 0% to 100% Saturation  |
| 12      | Fan Mode             | 000 ... 255 | See Fan Mode Table     |

| Slot No | Slot Name       | DMX Value   | Output Value              |
|---------|-----------------|-------------|---------------------------|
| 13      | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 29: 16-bit Gels with Colour Bump

| Slot No | Slot Name          |    | DMX Value          | Output Value              |
|---------|--------------------|----|--------------------|---------------------------|
| 1       | Master Level       | HI | 00000 ...          | 0 ... 100%                |
| 2       |                    | LO | 65535              |                           |
| 3       | Gel Library        |    | 000 ... 255        | See Gel Tables            |
| 4       | Gel Swatch         |    | 000 ... 255        | See Gel Tables            |
| 5       | Gel Source         |    | 000 ... 127        | 3200K Source              |
|         |                    |    | 128 ... 255        | 5600K Source              |
| 6       | Bump Red/Cyan      | HI | 00000 ...<br>05000 | Neutral                   |
|         |                    |    | 05001 ...<br>35267 | 100% to 0% Cyan           |
|         |                    |    | 35268              | Neutral                   |
| 7       |                    | LO | 35269 ...<br>65535 | 0% to 100% Red            |
| 8       | Bump Green/Magenta | HI | 00000 ...<br>05000 | Neutral                   |
|         |                    |    | 05001 ...<br>35267 | 100% to 0% Magenta        |
|         |                    |    | 35268              | Neutral                   |
| 9       |                    | LO | 35269 ...<br>65535 | 0% to 100% Green          |
| 10      | Bump Blue/Yellow   | HI | 00000 ...<br>05000 | Neutral                   |
|         |                    |    | 05001 ...<br>35267 | 100% to 0% Yellow         |
|         |                    |    | 35268              | Neutral                   |
| 11      |                    | LO | 35269 ...<br>65535 | 0% to 100% Blue           |
| 12      | Bump Saturation    | HI | 00000 ...<br>05000 | Neutral                   |
|         |                    |    | 05001 ...<br>35267 | -100% to 0% Saturation    |
|         |                    |    | 35268              | Neutral                   |
| 13      |                    | LO | 35269 ...<br>65535 | 0% to 100% Saturation     |
| 14      | Fan Mode           |    | 000 ... 255        | See Fan Mode Table        |
| 15      | Control Channel    |    | 000 ... 255        | See Control Channel Table |

## Mode 30: 16-bit \_ CCT and Gels with Colour Bump

| Slot No | Slot Name            |    | DMX Value       | Output Value              |
|---------|----------------------|----|-----------------|---------------------------|
| 1       | Master Level         | HI | 00000 ... 65535 | 0 ... 100%                |
| 2       |                      | LO |                 |                           |
| 3       | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 4       |                      | LO |                 |                           |
| 5       | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|         |                      |    | 35268           | Neutral                   |
| 6       |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 7       | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 8       |                      | LO |                 |                           |
| 9       | Gel Library          |    | 000 ... 255     | See Gel Tables            |
| 10      | Gel Swatch           |    | 000 ... 255     | See Gel Tables            |
| 11      | Gel Source           |    | 000 ... 127     | 3200K Source              |
|         |                      |    | 128 ... 255     | 5600K Source              |
| 12      | Bump Red/Cyan        | HI | 00000 ... 05000 | Neutral                   |
|         |                      |    | 05001 ... 35267 | 100% to 0% Cyan           |
|         |                      |    | 35268           | Neutral                   |
| 13      |                      | LO | 35269 ... 65535 | 0% to 100% Red            |
| 14      | Bump Green/Magenta   | HI | 00000 ... 05000 | Neutral                   |
|         |                      |    | 05001 ... 35267 | 100% to 0% Magenta        |
|         |                      |    | 35268           | Neutral                   |
| 15      |                      | LO | 35269 ... 65535 | 0% to 100% Green          |
| 16      | Bump Blue/Yellow     | HI | 00000 ... 05000 | Neutral                   |
|         |                      |    | 05001 ... 35267 | 100% to 0% Yellow         |
|         |                      |    | 35268           | Neutral                   |
| 17      |                      | LO | 35269 ... 65535 | 0% to 100% Blue           |
| 18      | Bump Saturation      | HI | 00000 ... 05000 | Neutral                   |
|         |                      |    | 05001 ... 35267 | -100% to 0% Saturation    |
|         |                      |    | 35268           | Neutral                   |
| 19      |                      | LO | 35269 ... 65535 | 0% to 100% Saturation     |
| 20      | Fan Mode             |    | 000 ... 255     | See Fan Mode Table        |
| 21      | Control Channel      |    | 000 ... 255     | See Control Channel Table |

## Mode 31: Flex Mode

*Note: Number of slots used is dependent on Mode selected using slot 1.*

| Slot No | Slot Name   | DMX Value Min | DMX Value Max | Output Value                                         |
|---------|-------------|---------------|---------------|------------------------------------------------------|
| 1       | Mode Select | 0             | 4             | Mode 1: 8 Bit, CCT and RGBW                          |
|         |             | 5             | 9             | Mode 2: 8 Bit, CCT                                   |
|         |             | 10            | 14            | Mode 3: 8 Bit, CCT and Hue/Saturation                |
|         |             | 15            | 19            | Mode 4: 8 Bit, RGBW                                  |
|         |             | 20            | 24            | Mode 5: 8 Bit, Hue/Saturation                        |
|         |             | 25            | 29            | Mode 6: 16 Bit, CCT and RGBW                         |
|         |             | 30            | 34            | Mode 7: 16 Bit, CCT                                  |
|         |             | 35            | 39            | Mode 8: 16 Bit, CCT and Hue/Saturation               |
|         |             | 40            | 44            | Mode 9: 16 Bit, RGBW                                 |
|         |             | 45            | 49            | Mode 10: 16 Bit, Hue/Saturation                      |
|         |             | 50            | 54            | Mode 11: 8 Bit, xy Coordinates                       |
|         |             | 55            | 59            | Mode 12: 8 Bit, CCT and xy Coordinates               |
|         |             | 60            | 64            | Mode 13: 16 Bit, xy Coordinates                      |
|         |             | 65            | 69            | Mode 14: 16 Bit, CCT and xy Coordinates              |
|         |             | 70            | 74            | Mode 15: 8 Bit, CCT and Hue/Saturation with Effects  |
|         |             | 75            | 79            | Mode 16: 8 Bit, CCT and RGBW with Effects            |
|         |             | 80            | 84            | Mode 17: 8 Bit, CCT and xy Coordinates with Effects  |
|         |             | 85            | 89            | Mode 18: 16 Bit, CCT and Hue/Saturation with Effects |
|         |             | 90            | 94            | Mode 19: 16 Bit, CCT and RGBW with Effects           |
|         |             | 95            | 99            | Mode 20: 16 Bit, CCT and xy Coordinates with Effects |
|         |             | 100           | 104           | Mode 21: 8 Bit, Gels                                 |
|         |             | 105           | 109           | Mode 22: 8 Bit, CCT and Gels                         |
|         |             | 110           | 114           | Mode 23: 8 Bit, CCT and Gels with Effects            |
|         |             | 115           | 119           | Mode 24: 16 Bit, Gels                                |
|         |             | 120           | 124           | Mode 25: 16 Bit, CCT and Gels                        |
|         |             | 125           | 129           | Mode 26: 16 Bit, CCT and Gels with Effects           |
|         |             | 130           | 134           | Mode 27: 8 Bit, Gels with Colour Bump                |
|         |             | 135           | 139           | Mode 28: 8 Bit, CCT and Gels with Colour Bump        |
|         |             | 140           | 144           | Mode 29: 16 Bit, Gels with Colour Bump               |
|         |             | 145           | 149           | Mode 30: 16 Bit, CCT and Gels with Colour Bump       |
|         |             | 150           | 154           | RESERVED                                             |
|         |             | 155           | 159           | Mode 32: 8 Bit, Multi-Zone CCT and RGBW              |
|         |             | 160           | 164           | Mode 33: 8 Bit, Multi-Zone Hue/Saturation            |
|         |             | 165           | 169           | Mode 34: 8 Bit, Multi-Zone xy Coordinates            |
|         |             | 170           | 174           | Mode 35: 16 Bit, Multi-Zone CCT and RGBW             |
|         |             | 175           | 179           | Mode 36: 16 Bit, Multi-Zone Hue/Saturation           |
|         |             | 180           | 184           | Mode 37: 16 Bit, Multi-Zone xy Coordinates           |
|         |             | 185           |               | Mode 38: 8 Bit, Multi-Zone CCT and Hue/Saturation    |
|         |             | 186           |               | Mode 39: 16 Bit, Multi-Zone CCT and Hue/Saturation   |
|         |             | 187           |               | Mode 40: 8 Bit, Split Zone CCT and RGBW              |

| Slot No | Slot Name | DMX Value Min | DMX Value Max | Output Value                                                     |
|---------|-----------|---------------|---------------|------------------------------------------------------------------|
|         |           | 188           |               | Mode 41: 8 Bit, Split Zone Hue/Saturation                        |
|         |           | 189           |               | Mode 42: 8 Bit, Split Zone xy Coordinates                        |
|         |           | 190           |               | Mode 43: 8 Bit, Split Zone CCT and Hue/Saturation                |
|         |           | 191           |               | Mode 44: 16 Bit, Split Zone CCT and RGBW                         |
|         |           | 192           |               | Mode 45: 16 Bit, Split Zone Hue/Saturation                       |
|         |           | 193           |               | Mode 46: 16 Bit, Split Zone xy Coordinates                       |
|         |           | 194           |               | Mode 47: 16 Bit, Split Zone CCT and Hue/Saturation               |
|         |           | 195           |               | Mode 48: 8 Bit, Bars Zone CCT and RGBW                           |
|         |           | 196           |               | Mode 49: 8 Bit, Bars Zone Hue/Saturation                         |
|         |           | 197           |               | Mode 50: 8 Bit, Bars Zone xy Coordinates                         |
|         |           | 198           |               | Mode 51: 8 Bit, Bar Zone CCT and Hue/Saturation                  |
|         |           | 199           |               | Mode 52: 16 Bit, Bars Zone CCT and RGBW                          |
|         |           | 200           |               | Mode 53: 16 Bit, Bars Zone Hue/Saturation                        |
|         |           | 201           |               | Mode 54: 16 Bit, Bars Zone xy Coordinates                        |
|         |           | 202           |               | Mode 55: 16 Bit, Bars Zone Hue/Saturation                        |
|         |           | 203           |               | Mode 56: 8 Bit, Grid Zone CCT and RGBW                           |
|         |           | 204           |               | Mode 57: 8 Bit, Grid Zone Hue/Saturation                         |
|         |           | 205           |               | Mode 58: 8 Bit, Grid Zone xy Coordinates                         |
|         |           | 206           |               | Mode 59: 8 Bit, Grid Zone CCT and Hue/Saturation                 |
|         |           | 207           |               | Mode 60: 16 Bit, Grid Zone CCT and RGBW                          |
|         |           | 208           |               | Mode 61: 16 Bit, Grid Zone Hue/Saturation                        |
|         |           | 209           |               | Mode 62: 16 Bit, Grid Zone xy Coordinates                        |
|         |           | 210           |               | Mode 63: 16 Bit, Grid Zone CCT and Hue/Saturation                |
|         |           | 211           |               | Mode 64: 8 Bit, Multi-Zone RGBW Bare                             |
|         |           | 212           |               | Mode 65: 8 Bit, Multi-Zone RGBW and Master CCT                   |
|         |           | 213           |               | Mode 66: 16 Bit, Multi-Zone RGBW Bare                            |
|         |           | 214           |               | Mode 67: 16 Bit, Multi-Zone RGBW and Master CCT                  |
|         |           | 215           | 255           | RESERVED                                                         |
| 2       | Slot 1    |               | 000 ... 255   | Slot 1 of selected Mode – see appropriate Mode table             |
| 3       | Slot 2    |               | 000 ... 255   | Slot 2 of selected Mode – see appropriate Mode table             |
| 4       | Slot 3    |               | 000 ... 255   | Slot 3 of selected Mode – see appropriate Mode table             |
| ...     | ...       |               | ...           | ...                                                              |
| 67      | Slot 66   |               | 000 ... 255   | Slot 66 of selected Mode – see appropriate Mode table            |
| ...     | ...       |               | ...           | ...                                                              |
| 131     | Slot 130  |               | 000 ... 255   | Slot 130 of selected Mode – see appropriate Mode table (V8 Only) |

## Mode 32: 8-bit – Multi-Zone CCT and RGBW

| Slot No       | Slot Name | DMX Value   | Output Value |
|---------------|-----------|-------------|--------------|
| <b>ZONE 1</b> |           |             |              |
| 1             | Level     | 000 ... 255 | 0 ... 100%   |

| Slot No       | Slot Name            | DMX Value   | Output Value     |
|---------------|----------------------|-------------|------------------|
| 2             | CCT                  | 000 ... 255 | 2200 ... 15000K  |
| 3             | Green/Magenta        | 000 ... 010 | Neutral          |
|               |                      | 011 ... 133 | -100 to -1 Green |
|               |                      | 134         | Neutral          |
|               |                      | 135 ... 255 | +1 to +100 Green |
| 4             | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%       |
| 5             | Red                  | 000 ... 255 | 0 ... 100%       |
| 6             | Green                | 000 ... 255 | 0 ... 100%       |
| 7             | Blue                 | 000 ... 255 | 0 ... 100%       |
| 8             | White                | 000 ... 255 | 0 ... 100%       |
| <b>ZONE 2</b> |                      |             |                  |
| 9             | Level                | 000 ... 255 | 0 ... 100%       |
| 10            | CCT                  | 000 ... 255 | 2200 ... 15000K  |
| 11            | Green/Magenta        | 000 ... 010 | Neutral          |
|               |                      | 011 ... 133 | -100 to -1 Green |
|               |                      | 134         | Neutral          |
|               |                      | 135 ... 255 | +1 to +100 Green |
| 12            | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%       |
| 13            | Red                  | 000 ... 255 | 0 ... 100%       |
| 14            | Green                | 000 ... 255 | 0 ... 100%       |
| 15            | Blue                 | 000 ... 255 | 0 ... 100%       |
| 16            | White                | 000 ... 255 | 0 ... 100%       |
| <b>ZONE 3</b> |                      |             |                  |
| 17            | Level                | 000 ... 255 | 0 ... 100%       |
| 18            | CCT                  | 000 ... 255 | 2200 ... 15000K  |
| 19            | Green/Magenta        | 000 ... 010 | Neutral          |
|               |                      | 011 ... 133 | -100 to -1 Green |
|               |                      | 134         | Neutral          |
|               |                      | 135 ... 255 | +1 to +100 Green |
| 20            | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%       |
| 21            | Red                  | 000 ... 255 | 0 ... 100%       |
| 22            | Green                | 000 ... 255 | 0 ... 100%       |
| 23            | Blue                 | 000 ... 255 | 0 ... 100%       |
| 24            | White                | 000 ... 255 | 0 ... 100%       |
| <b>ZONE 4</b> |                      |             |                  |
| 25            | Level                | 000 ... 255 | 0 ... 100%       |
| 26            | CCT                  | 000 ... 255 | 2200 ... 15000K  |

| Slot No                           | Slot Name            | DMX Value   | Output Value              |
|-----------------------------------|----------------------|-------------|---------------------------|
| 27                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 28                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 29                                | Red                  | 000 ... 255 | 0 ... 100%                |
| 30                                | Green                | 000 ... 255 | 0 ... 100%                |
| 31                                | Blue                 | 000 ... 255 | 0 ... 100%                |
| 32                                | White                | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V4 Only)</b> |                      |             |                           |
| 33                                | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 34                                | Control Channel      | 000 ... 255 | See Control Channel Table |
| <b>ZONE 5 (V8 Only)</b>           |                      |             |                           |
| 33                                | Level                | 000 ... 255 | 0 ... 100%                |
| 34                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 35                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 36                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 37                                | Red                  | 000 ... 255 | 0 ... 100%                |
| 38                                | Green                | 000 ... 255 | 0 ... 100%                |
| 39                                | Blue                 | 000 ... 255 | 0 ... 100%                |
| 40                                | White                | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 6 (V8 Only)</b>           |                      |             |                           |
| 41                                | Level                | 000 ... 255 | 0 ... 100%                |
| 42                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 43                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 44                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 45                                | Red                  | 000 ... 255 | 0 ... 100%                |
| 46                                | Green                | 000 ... 255 | 0 ... 100%                |
| 47                                | Blue                 | 000 ... 255 | 0 ... 100%                |
| 48                                | White                | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 7 (V8 Only)</b>           |                      |             |                           |
| 49                                | Level                | 000 ... 255 | 0 ... 100%                |
| 50                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |

| Slot No                           | Slot Name            | DMX Value   | Output Value              |
|-----------------------------------|----------------------|-------------|---------------------------|
| 51                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 52                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 53                                | Red                  | 000 ... 255 | 0 ... 100%                |
| 54                                | Green                | 000 ... 255 | 0 ... 100%                |
| 55                                | Blue                 | 000 ... 255 | 0 ... 100%                |
| 56                                | White                | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 8 (V8 Only)</b>           |                      |             |                           |
| 57                                | Level                | 000 ... 255 | 0 ... 100%                |
| 58                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 59                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 60                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 61                                | Red                  | 000 ... 255 | 0 ... 100%                |
| 62                                | Green                | 000 ... 255 | 0 ... 100%                |
| 63                                | Blue                 | 000 ... 255 | 0 ... 100%                |
| 64                                | White                | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V8 Only)</b> |                      |             |                           |
| 65                                | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 66                                | Control Channel      | 000 ... 255 | See Control Channel Table |

### Mode 33: 8-bit – Multi-Zone Hue/Saturation

| Slot No       | Slot Name    | DMX Value   | Output Value      |
|---------------|--------------|-------------|-------------------|
| <b>ZONE 1</b> |              |             |                   |
| 1             | Master Level | 000 ... 255 | 0 ... 100%        |
| 2             | Hue          | 000 ... 255 | 0 ... 360 Degrees |
| 3             | Saturation   | 000 ... 255 | 0 ... 100%        |
| <b>ZONE 2</b> |              |             |                   |
| 4             | Master Level | 000 ... 255 | 0 ... 100%        |
| 5             | Hue          | 000 ... 255 | 0 ... 360 Degrees |
| 6             | Saturation   | 000 ... 255 | 0 ... 100%        |
| <b>ZONE 3</b> |              |             |                   |
| 7             | Master Level | 000 ... 255 | 0 ... 100%        |
| 8             | Hue          | 000 ... 255 | 0 ... 360 Degrees |
| 9             | Saturation   | 000 ... 255 | 0 ... 100%        |
| <b>ZONE 4</b> |              |             |                   |

| Slot No                           | Slot Name       | DMX Value   | Output Value              |
|-----------------------------------|-----------------|-------------|---------------------------|
| 10                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 11                                | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 12                                | Saturation      | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V4 Only)</b> |                 |             |                           |
| 13                                | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 14                                | Control Channel | 000 ... 255 | See Control Channel Table |
| <b>ZONE 5 (V8 Only)</b>           |                 |             |                           |
| 13                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 14                                | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 15                                | Saturation      | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 6 (V8 Only)</b>           |                 |             |                           |
| 16                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 17                                | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 18                                | Saturation      | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 7 (V8 Only)</b>           |                 |             |                           |
| 19                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 20                                | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 21                                | Saturation      | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 8 (V8 Only)</b>           |                 |             |                           |
| 22                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 23                                | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 24                                | Saturation      | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V8 Only)</b> |                 |             |                           |
| 25                                | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 26                                | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 34: 8-bit – Multi-Zone xy Coordinates

| Slot No       | Slot Name    | DMX Value   | Output Value |
|---------------|--------------|-------------|--------------|
| <b>ZONE 1</b> |              |             |              |
| 1             | Master Level | 000 ... 255 | 0 ... 100%   |
| 2             | x Coordinate | 000 ... 255 | 0 ... 0.8x   |
| 3             | y Coordinate | 000 ... 255 | 0 ... 0.8y   |
| <b>ZONE 2</b> |              |             |              |
| 4             | Master Level | 000 ... 255 | 0 ... 100%   |
| 5             | x Coordinate | 000 ... 255 | 0 ... 0.8x   |
| 6             | y Coordinate | 000 ... 255 | 0 ... 0.8y   |
| <b>ZONE 3</b> |              |             |              |
| 7             | Master Level | 000 ... 255 | 0 ... 100%   |
| 8             | x Coordinate | 000 ... 255 | 0 ... 0.8x   |
| 9             | y Coordinate | 000 ... 255 | 0 ... 0.8y   |
| <b>ZONE 4</b> |              |             |              |

| Slot No                           | Slot Name       | DMX Value   | Output Value              |
|-----------------------------------|-----------------|-------------|---------------------------|
| 10                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 11                                | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 12                                | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>Control Channels (V4 Only)</b> |                 |             |                           |
| 13                                | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 14                                | Control Channel | 000 ... 255 | See Control Channel Table |
| <b>ZONE 5 (V8 Only)</b>           |                 |             |                           |
| 13                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 14                                | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 15                                | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 6 (V8 Only)</b>           |                 |             |                           |
| 16                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 17                                | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 18                                | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 7 (V8 Only)</b>           |                 |             |                           |
| 19                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 20                                | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 21                                | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 8 (V8 Only)</b>           |                 |             |                           |
| 22                                | Master Level    | 000 ... 255 | 0 ... 100%                |
| 23                                | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 24                                | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>Control Channels (V8 Only)</b> |                 |             |                           |
| 25                                | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 26                                | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 35: 16-bit – Multi-Zone CCT and RGBW

| Slot No       | Slot Name            |    | DMX Value       | Output Value     |
|---------------|----------------------|----|-----------------|------------------|
| <b>ZONE 1</b> |                      |    |                 |                  |
| 1             | Master Level         | HI | 00000 ... 65535 | 0 ... 100%       |
| 2             |                      | LO |                 |                  |
| 3             | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K  |
| 4             |                      | LO |                 |                  |
| 5             | Green/Magenta        | HI | 00000 ... 05000 | Neutral          |
|               |                      |    | 05001 ... 35267 | -100 to -1 Green |
|               |                      |    | 35268           | Neutral          |
| 6             |                      | LO | 35269 ... 65535 | +1 to +100 Green |
| 7             | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%       |
| 8             |                      | LO |                 |                  |

| Slot No | Slot Name            |    | DMX Value       | Output Value     |
|---------|----------------------|----|-----------------|------------------|
| 9       | Red                  | HI | 00000 ... 65535 | 0 ... 100%       |
| 10      |                      | LO |                 |                  |
| 11      | Green                | HI | 00000 ... 65535 | 0 ... 100%       |
| 12      |                      | LO |                 |                  |
| 13      | Blue                 | HI | 00000 ... 65535 | 0 ... 100%       |
| 14      |                      | LO |                 |                  |
| 15      | White                | HI | 00000 ... 65535 | 0 ... 100%       |
| 16      |                      | LO |                 |                  |
| ZONE 2  |                      |    |                 |                  |
| 17      | Master Level         | HI | 00000 ... 65535 | 0 ... 100%       |
| 18      |                      | LO |                 |                  |
| 19      | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K  |
| 20      |                      | LO |                 |                  |
| 21      | Green/Magenta        | HI | 00000 ... 05000 | Neutral          |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green |
|         |                      |    | 35268           | Neutral          |
| 22      |                      | LO | 35269 ... 65535 | +1 to +100 Green |
| 23      | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%       |
| 24      |                      | LO |                 |                  |
| 25      | Red                  | HI | 00000 ... 65535 | 0 ... 100%       |
| 26      |                      | LO |                 |                  |
| 27      | Green                | HI | 00000 ... 65535 | 0 ... 100%       |
| 28      |                      | LO |                 |                  |
| 29      | Blue                 | HI | 00000 ... 65535 | 0 ... 100%       |
| 30      |                      | LO |                 |                  |
| 31      | White                | HI | 00000 ... 65535 | 0 ... 100%       |
| 32      |                      | LO |                 |                  |
| ZONE 3  |                      |    |                 |                  |
| 33      | Master Level         | HI | 00000 ... 65535 | 0 ... 100%       |
| 34      |                      | LO |                 |                  |
| 35      | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K  |
| 36      |                      | LO |                 |                  |
| 37      | Green/Magenta        | HI | 00000 ... 05000 | Neutral          |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green |
|         |                      |    | 35268           | Neutral          |
| 38      |                      | LO | 35269 ... 65535 | +1 to +100 Green |
| 39      | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%       |
| 40      |                      | LO |                 |                  |
| 41      | Red                  | HI | 00000 ... 65535 | 0 ... 100%       |
| 42      |                      | LO |                 |                  |

| Slot No                    | Slot Name            |    | DMX Value       | Output Value              |
|----------------------------|----------------------|----|-----------------|---------------------------|
| 43                         | Green                | HI | 00000 ... 65535 | 0 ... 100%                |
| 44                         |                      | LO |                 |                           |
| 45                         | Blue                 | HI | 00000 ... 65535 | 0 ... 100%                |
| 46                         |                      | LO |                 |                           |
| 47                         | White                | HI | 00000 ... 65535 | 0 ... 100%                |
| 48                         |                      | LO |                 |                           |
| ZONE 4                     |                      |    |                 |                           |
| 49                         | Master Level         | HI | 00000 ... 65535 | 0 ... 100%                |
| 50                         |                      | LO |                 |                           |
| 51                         | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 52                         |                      | LO |                 |                           |
| 53                         | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|                            |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|                            |                      |    | 35268           | Neutral                   |
| 54                         |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 55                         | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 56                         |                      | LO |                 |                           |
| 57                         | Red                  | HI | 00000 ... 65535 | 0 ... 100%                |
| 58                         |                      | LO |                 |                           |
| 59                         | Green                | HI | 00000 ... 65535 | 0 ... 100%                |
| 60                         |                      | LO |                 |                           |
| 61                         | Blue                 | HI | 00000 ... 65535 | 0 ... 100%                |
| 62                         |                      | LO |                 |                           |
| 63                         | White                | HI | 00000 ... 65535 | 0 ... 100%                |
| 64                         |                      | LO |                 |                           |
| Control Channels (V4 Only) |                      |    |                 |                           |
| 65                         | Fan Mode             |    | 000 ... 255     | See Fan Mode Table        |
| 66                         | Control Channel      |    | 000 ... 255     | See Control Channel Table |
| ZONE 5 (V8 Only)           |                      |    |                 |                           |
| 65                         | Master Level         | HI | 00000 ... 65535 | 0 ... 100%                |
| 66                         |                      | LO |                 |                           |
| 67                         | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 68                         |                      | LO |                 |                           |
| 69                         | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|                            |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|                            |                      |    | 35268           | Neutral                   |
| 70                         |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 71                         | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 72                         |                      | LO |                 |                           |
| 73                         | Red                  | HI | 00000 ... 65535 | 0 ... 100%                |

| Slot No          | Slot Name            |    | DMX Value       | Output Value     |
|------------------|----------------------|----|-----------------|------------------|
| 74               |                      | LO |                 |                  |
| 75               | Green                | HI | 00000 ... 65535 | 0 ... 100%       |
| 76               |                      | LO |                 |                  |
| 77               | Blue                 | HI | 00000 ... 65535 | 0 ... 100%       |
| 78               |                      | LO |                 |                  |
| 79               | White                | HI | 00000 ... 65535 | 0 ... 100%       |
| 80               |                      | LO |                 |                  |
| ZONE 6 (V8 Only) |                      |    |                 |                  |
| 81               | Master Level         | HI | 00000 ... 65535 | 0 ... 100%       |
| 82               |                      | LO |                 |                  |
| 83               | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K  |
| 84               |                      | LO |                 |                  |
| 85               | Green/Magenta        | HI | 00000 ... 05000 | Neutral          |
|                  |                      |    | 05001 ... 35267 | -100 to -1 Green |
|                  |                      |    | 35268           | Neutral          |
| 86               |                      | LO | 35269 ... 65535 | +1 to +100 Green |
| 87               | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%       |
| 88               |                      | LO |                 |                  |
| 89               | Red                  | HI | 00000 ... 65535 | 0 ... 100%       |
| 90               |                      | LO |                 |                  |
| 91               | Green                | HI | 00000 ... 65535 | 0 ... 100%       |
| 92               |                      | LO |                 |                  |
| 93               | Blue                 | HI | 00000 ... 65535 | 0 ... 100%       |
| 94               |                      | LO |                 |                  |
| 95               | White                | HI | 00000 ... 65535 | 0 ... 100%       |
| 96               |                      | LO |                 |                  |
| ZONE 7 (V8 Only) |                      |    |                 |                  |
| 97               | Master Level         | HI | 00000 ... 65535 | 0 ... 100%       |
| 98               |                      | LO |                 |                  |
| 99               | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K  |
| 100              |                      | LO |                 |                  |
| 101              | Green/Magenta        | HI | 00000 ... 05000 | Neutral          |
|                  |                      |    | 05001 ... 35267 | -100 to -1 Green |
|                  |                      |    | 35268           | Neutral          |
| 102              |                      | LO | 35269 ... 65535 | +1 to +100 Green |
| 103              | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%       |
| 104              |                      | LO |                 |                  |
| 105              | Red                  | HI | 00000 ... 65535 | 0 ... 100%       |
| 106              |                      | LO |                 |                  |
| 107              | Green                | HI | 00000 ... 65535 | 0 ... 100%       |

| Slot No                    | Slot Name            |    | DMX Value       | Output Value              |
|----------------------------|----------------------|----|-----------------|---------------------------|
| 108                        |                      | LO |                 |                           |
| 109                        | Blue                 | HI | 00000 ... 65535 | 0 ... 100%                |
| 110                        |                      | LO |                 |                           |
| 111                        | White                | HI | 00000 ... 65535 | 0 ... 100%                |
| 112                        |                      | LO |                 |                           |
| ZONE 8 (V8 Only)           |                      |    |                 |                           |
| 113                        | Master Level         | HI | 00000 ... 65535 | 0 ... 100%                |
| 114                        |                      | LO |                 |                           |
| 115                        | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 116                        |                      | LO |                 |                           |
| 117                        | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|                            |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|                            |                      |    | 35268           | Neutral                   |
| 118                        |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 119                        | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 120                        |                      | LO |                 |                           |
| 121                        | Red                  | HI | 00000 ... 65535 | 0 ... 100%                |
| 122                        |                      | LO |                 |                           |
| 123                        | Green                | HI | 00000 ... 65535 | 0 ... 100%                |
| 124                        |                      | LO |                 |                           |
| 125                        | Blue                 | HI | 00000 ... 65535 | 0 ... 100%                |
| 126                        |                      | LO |                 |                           |
| 127                        | White                | HI | 00000 ... 65535 | 0 ... 100%                |
| 128                        |                      | LO |                 |                           |
| Control Channels (V8 Only) |                      |    |                 |                           |
| 129                        | Fan Mode             |    | 000 ... 255     | See Fan Mode Table        |
| 130                        | Control Channel      |    | 000 ... 255     | See Control Channel Table |

## Mode 36: 16-bit – Multi-Zone Hue/Saturation

| Slot No | Slot Name    |    | DMX Value       | Output Value      |
|---------|--------------|----|-----------------|-------------------|
| ZONE 1  |              |    |                 |                   |
| 1       | Master Level | HI | 00000 ... 65535 | 0 ... 100%        |
| 2       |              | LO |                 |                   |
| 3       | Hue          | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 4       |              | LO |                 |                   |
| 5       | Saturation   | HI | 00000 ... 65535 | 0 ... 100%        |
| 6       |              | LO |                 |                   |
| ZONE 2  |              |    |                 |                   |
| 7       | Master Level | HI | 00000 ... 65535 | 0 ... 100%        |
| 8       |              | LO |                 |                   |

| Slot No                    | Slot Name       |    | DMX Value       | Output Value              |
|----------------------------|-----------------|----|-----------------|---------------------------|
| 9                          | Hue             | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 10                         |                 | LO |                 |                           |
| 11                         | Saturation      | HI | 00000 ... 65535 | 0 ... 100%                |
| 12                         |                 | LO |                 |                           |
| ZONE 3                     |                 |    |                 |                           |
| 13                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 14                         |                 | LO |                 |                           |
| 15                         | Hue             | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 16                         |                 | LO |                 |                           |
| 17                         | Saturation      | HI | 00000 ... 65535 | 0 ... 100%                |
| 18                         |                 | LO |                 |                           |
| ZONE 4                     |                 |    |                 |                           |
| 19                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 20                         |                 | LO |                 |                           |
| 21                         | Hue             | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 22                         |                 | LO |                 |                           |
| 23                         | Saturation      | HI | 00000 ... 65535 | 0 ... 100%                |
| 24                         |                 | LO |                 |                           |
| Control Channels (V4 Only) |                 |    |                 |                           |
| 25                         | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 26                         | Control Channel |    | 000 ... 255     | See Control Channel Table |
| ZONE 5 (V8 Only)           |                 |    |                 |                           |
| 25                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 26                         |                 | LO |                 |                           |
| 27                         | Hue             | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 28                         |                 | LO |                 |                           |
| 29                         | Saturation      | HI | 00000 ... 65535 | 0 ... 100%                |
| 30                         |                 | LO |                 |                           |
| ZONE 6 (V8 Only)           |                 |    |                 |                           |
| 31                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 32                         |                 | LO |                 |                           |
| 33                         | Hue             | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 34                         |                 | LO |                 |                           |
| 35                         | Saturation      | HI | 00000 ... 65535 | 0 ... 100%                |
| 36                         |                 | LO |                 |                           |
| ZONE 7 (V8 Only)           |                 |    |                 |                           |
| 37                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 38                         |                 | LO |                 |                           |
| 39                         | Hue             | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 40                         |                 | LO |                 |                           |
| 41                         | Saturation      | HI | 00000 ... 65535 | 0 ... 100%                |
| 42                         |                 | LO |                 |                           |

| Slot No                    | Slot Name       |    | DMX Value       | Output Value              |
|----------------------------|-----------------|----|-----------------|---------------------------|
| ZONE 8 (V8 Only)           |                 |    |                 |                           |
| 43                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 44                         |                 | LO |                 |                           |
| 45                         | Hue             | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 46                         |                 | LO |                 |                           |
| 47                         | Saturation      | HI | 00000 ... 65535 | 0 ... 100%                |
| 48                         |                 | LO |                 |                           |
| Control Channels (V8 Only) |                 |    |                 |                           |
| 49                         | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 50                         | Control Channel |    | 000 ... 255     | See Control Channel Table |

## Mode 37: 16-bit – Multi-Zone xy Coordinates

| Slot No | Slot Name    |    | DMX Value       | Output Value |
|---------|--------------|----|-----------------|--------------|
| ZONE 1  |              |    |                 |              |
| 1       | Master Level | HI | 00000 ... 65535 | 0 ... 100%   |
| 2       |              | LO |                 |              |
| 3       | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x   |
| 4       |              | LO |                 |              |
| 5       | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y   |
| 6       |              | LO |                 |              |
| ZONE 2  |              |    |                 |              |
| 7       | Master Level | HI | 00000 ... 65535 | 0 ... 100%   |
| 8       |              | LO |                 |              |
| 9       | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x   |
| 10      |              | LO |                 |              |
| 11      | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y   |
| 12      |              | LO |                 |              |
| ZONE 3  |              |    |                 |              |
| 13      | Master Level | HI | 00000 ... 65535 | 0 ... 100%   |
| 14      |              | LO |                 |              |
| 15      | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x   |
| 16      |              | LO |                 |              |
| 17      | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y   |
| 18      |              | LO |                 |              |
| ZONE 4  |              |    |                 |              |
| 19      | Master Level | HI | 00000 ... 65535 | 0 ... 100%   |
| 20      |              | LO |                 |              |
| 21      | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x   |
| 22      |              | LO |                 |              |

| Slot No                    | Slot Name       |    | DMX Value       | Output Value              |
|----------------------------|-----------------|----|-----------------|---------------------------|
| 23                         | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 24                         |                 | LO |                 |                           |
| Control Channels (V4 Only) |                 |    |                 |                           |
| 25                         | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 26                         | Control Channel |    | 000 ... 255     | See Control Channel Table |
| ZONE 5 (V8 Only)           |                 |    |                 |                           |
| 25                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 26                         |                 | LO |                 |                           |
| 27                         | x Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 28                         |                 | LO |                 |                           |
| 29                         | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 30                         |                 | LO |                 |                           |
| ZONE 6 (V8 Only)           |                 |    |                 |                           |
| 31                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 32                         |                 | LO |                 |                           |
| 33                         | x Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 34                         |                 | LO |                 |                           |
| 35                         | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 36                         |                 | LO |                 |                           |
| ZONE 7 (V8 Only)           |                 |    |                 |                           |
| 37                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 38                         |                 | LO |                 |                           |
| 39                         | x Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 40                         |                 | LO |                 |                           |
| 41                         | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 42                         |                 | LO |                 |                           |
| ZONE 8 (V8 Only)           |                 |    |                 |                           |
| 43                         | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 44                         |                 | LO |                 |                           |
| 45                         | x Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 46                         |                 | LO |                 |                           |
| 47                         | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 48                         |                 | LO |                 |                           |
| Control Channels (V8 Only) |                 |    |                 |                           |
| 49                         | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 50                         | Control Channel |    | 000 ... 255     | See Control Channel Table |

## Mode 38: 8-bit – Multi-Zone CCT and Hue/Saturation

| Slot No       | Slot Name            | DMX Value   | Output Value      |
|---------------|----------------------|-------------|-------------------|
| <b>ZONE 1</b> |                      |             |                   |
| 1             | Master Level         | 000 ... 255 | 0 ... 100%        |
| 2             | CCT                  | 000 ... 255 | 2200 ... 15000K   |
| 3             | Green/Magenta        | 000 ... 010 | Neutral           |
|               |                      | 011 ... 133 | -100 to -1 Green  |
|               |                      | 134         | Neutral           |
|               |                      | 135 ... 255 | +1 to +100 Green  |
| 4             | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%        |
| 5             | Hue                  | 000 ... 255 | 0 ... 360 Degrees |
| 6             | Saturation           | 000 ... 255 | 0 ... 100%        |
| <b>ZONE 2</b> |                      |             |                   |
| 7             | Master Level         | 000 ... 255 | 0 ... 100%        |
| 8             | CCT                  | 000 ... 255 | 2200 ... 15000K   |
| 9             | Green/Magenta        | 000 ... 010 | Neutral           |
|               |                      | 011 ... 133 | -100 to -1 Green  |
|               |                      | 134         | Neutral           |
|               |                      | 135 ... 255 | +1 to +100 Green  |
| 10            | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%        |
| 11            | Hue                  | 000 ... 255 | 0 ... 360 Degrees |
| 12            | Saturation           | 000 ... 255 | 0 ... 100%        |
| <b>ZONE 3</b> |                      |             |                   |
| 13            | Master Level         | 000 ... 255 | 0 ... 100%        |
| 14            | CCT                  | 000 ... 255 | 2200 ... 15000K   |
| 15            | Green/Magenta        | 000 ... 010 | Neutral           |
|               |                      | 011 ... 133 | -100 to -1 Green  |
|               |                      | 134         | Neutral           |
|               |                      | 135 ... 255 | +1 to +100 Green  |
| 16            | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%        |
| 17            | Hue                  | 000 ... 255 | 0 ... 360 Degrees |
| 18            | Saturation           | 000 ... 255 | 0 ... 100%        |
| <b>ZONE 4</b> |                      |             |                   |
| 19            | Master Level         | 000 ... 255 | 0 ... 100%        |
| 20            | CCT                  | 000 ... 255 | 2200 ... 15000K   |
| 21            | Green/Magenta        | 000 ... 010 | Neutral           |
|               |                      | 011 ... 133 | -100 to -1 Green  |
|               |                      | 134         | Neutral           |
|               |                      | 135 ... 255 | +1 to +100 Green  |
| 22            | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%        |
| 23            | Hue                  | 000 ... 255 | 0 ... 360 Degrees |

| Slot No                           | Slot Name            | DMX Value   | Output Value              |
|-----------------------------------|----------------------|-------------|---------------------------|
| 24                                | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V4 Only)</b> |                      |             |                           |
| 25                                | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 26                                | Control Channel      | 000 ... 255 | See Control Channel Table |
| <b>ZONE 5 (V8 Only)</b>           |                      |             |                           |
| 25                                | Master Level         | 000 ... 255 | 0 ... 100%                |
| 26                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 27                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 28                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 29                                | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 30                                | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 6 (V8 Only)</b>           |                      |             |                           |
| 31                                | Master Level         | 000 ... 255 | 0 ... 100%                |
| 32                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 33                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 34                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 35                                | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 36                                | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 7 (V8 Only)</b>           |                      |             |                           |
| 37                                | Master Level         | 000 ... 255 | 0 ... 100%                |
| 38                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 39                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 40                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 41                                | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 42                                | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 8 (V8 Only)</b>           |                      |             |                           |
| 43                                | Master Level         | 000 ... 255 | 0 ... 100%                |
| 44                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 45                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |

| Slot No                           | Slot Name            | DMX Value   | Output Value              |
|-----------------------------------|----------------------|-------------|---------------------------|
| 46                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 47                                | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 48                                | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V8 Only)</b> |                      |             |                           |
| 49                                | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 50                                | Control Channel      | 000 ... 255 | See Control Channel Table |

## Mode 39: 16-bit – Multi-Zone CCT and Hue/Saturation

| Slot No | Slot Name            |    | DMX Value | Output Value      |
|---------|----------------------|----|-----------|-------------------|
| ZONE 1  |                      |    |           |                   |
| 1       | Master Level         | HI | 00000 ... | 0 ... 100%        |
| 2       |                      | LO | 65535     |                   |
| 3       | CCT                  | HI | 00000 ... | 2200 ... 15000K   |
| 4       |                      | LO | 65535     |                   |
| 5       | Green/Magenta        | HI | 00000 ... | Neutral           |
|         |                      |    | 05001 ... | -100 to -1 Green  |
|         |                      |    | 35267     | Neutral           |
| 6       |                      | LO | 35268     |                   |
| 7       | CCT-Colour Crossfade | HI | 35269 ... | +1 to +100 Green  |
| 8       |                      | LO | 65535     |                   |
| 9       | Hue                  | HI | 00000 ... | 0 ... 360 Degrees |
| 10      |                      | LO | 65535     |                   |
| 11      | Saturation           | HI | 00000 ... | 0 ... 100%        |
| 12      |                      | LO | 65535     |                   |
| ZONE 2  |                      |    |           |                   |
| 13      | Master Level         | HI | 00000 ... | 0 ... 100%        |
| 14      |                      | LO | 65535     |                   |
| 15      | CCT                  | HI | 00000 ... | 2200 ... 15000K   |
| 16      |                      | LO | 65535     |                   |
| 17      | Green/Magenta        | HI | 00000 ... | Neutral           |
|         |                      |    | 05000     |                   |
|         |                      |    | 05001 ... | -100 to -1 Green  |
| 18      |                      | LO | 35267     |                   |
| 19      | CCT-Colour Crossfade | HI | 35268     | Neutral           |
| 20      |                      | LO | 35269 ... | +1 to +100 Green  |
| 21      | Hue                  | HI | 65535     |                   |
|         |                      |    | 00000 ... | 0 ... 360 Degrees |

| Slot No                    | Slot Name            |    | DMX Value          | Output Value              |
|----------------------------|----------------------|----|--------------------|---------------------------|
| 22                         |                      | LO | 00000 ...<br>65535 |                           |
| 23                         | Saturation           | HI | 00000 ...          | 0 ... 100%                |
| 24                         |                      | LO | 65535              |                           |
| ZONE 3                     |                      |    |                    |                           |
| 25                         | Master Level         | HI | 00000 ...          | 0 ... 100%                |
| 26                         |                      | LO | 65535              |                           |
| 27                         | CCT                  | HI | 00000 ...          | 2200 ... 15000K           |
| 28                         |                      | LO | 65535              |                           |
| 29                         | Green/Magenta        | HI | 00000 ...<br>05000 | Neutral                   |
|                            |                      |    | 05001 ...<br>35267 | -100 to -1 Green          |
|                            |                      |    | 35268              | Neutral                   |
| 30                         |                      | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| 31                         | CCT-Colour Crossfade | HI | 00000 ...          | 0 ... 100%                |
| 32                         |                      | LO | 65535              |                           |
| 33                         | Hue                  | HI | 00000 ...          | 0 ... 360 Degrees         |
| 34                         |                      | LO | 65535              |                           |
| 35                         | Saturation           | HI | 00000 ...          | 0 ... 100%                |
| 36                         |                      | LO | 65535              |                           |
| ZONE 4                     |                      |    |                    |                           |
| 37                         | Master Level         | HI | 00000 ...          | 0 ... 100%                |
| 38                         |                      | LO | 65535              |                           |
| 39                         | CCT                  | HI | 00000 ...          | 2200 ... 15000K           |
| 40                         |                      | LO | 65535              |                           |
| 41                         | Green/Magenta        | HI | 00000 ...<br>05000 | Neutral                   |
|                            |                      |    | 05001 ...<br>35267 | -100 to -1 Green          |
|                            |                      |    | 35268              | Neutral                   |
| 42                         |                      | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| 43                         | CCT-Colour Crossfade | HI | 00000 ...          | 0 ... 100%                |
| 44                         |                      | LO | 65535              |                           |
| 45                         | Hue                  | HI | 00000 ...          | 0 ... 360 Degrees         |
| 46                         |                      | LO | 65535              |                           |
| 47                         | Saturation           | HI | 00000 ...          | 0 ... 100%                |
| 48                         |                      | LO | 65535              |                           |
| Control Channels (V4 Only) |                      |    |                    |                           |
| 49                         | Fan Mode             |    | 000 ... 255        | See Fan Mode Table        |
| 50                         | Control Channel      |    | 000 ... 255        | See Control Channel Table |
| ZONE 5 (V8 Only)           |                      |    |                    |                           |
| 49                         | Master Level         | HI |                    | 0 ... 100%                |

| Slot No          | Slot Name            |    | DMX Value          | Output Value      |
|------------------|----------------------|----|--------------------|-------------------|
| 50               |                      | LO | 00000 ...<br>65535 |                   |
| 51               | CCT                  | HI | 00000 ...          | 2200 ... 15000K   |
| 52               |                      | LO | 65535              |                   |
| 53               | Green/Magenta        | HI | 00000 ...<br>05000 | Neutral           |
|                  |                      |    | 05001 ...<br>35267 | -100 to -1 Green  |
|                  |                      |    | 35268              | Neutral           |
| 54               |                      | LO | 35269 ...<br>65535 | +1 to +100 Green  |
| 55               | CCT-Colour Crossfade | HI | 00000 ...          | 0 ... 100%        |
| 56               |                      | LO | 65535              |                   |
| 57               | Hue                  | HI | 00000 ...          | 0 ... 360 Degrees |
| 58               |                      | LO | 65535              |                   |
| 59               | Saturation           | HI | 00000 ...          | 0 ... 100%        |
| 60               |                      | LO | 65535              |                   |
| ZONE 6 (V8 Only) |                      |    |                    |                   |
| 61               | Master Level         | HI | 00000 ...          | 0 ... 100%        |
| 62               |                      | LO | 65535              |                   |
| 63               | CCT                  | HI | 00000 ...          | 2200 ... 15000K   |
| 64               |                      | LO | 65535              |                   |
| 65               | Green/Magenta        | HI | 00000 ...<br>05000 | Neutral           |
|                  |                      |    | 05001 ...<br>35267 | -100 to -1 Green  |
|                  |                      |    | 35268              | Neutral           |
| 66               |                      | LO | 35269 ...<br>65535 | +1 to +100 Green  |
| 67               | CCT-Colour Crossfade | HI | 00000 ...          | 0 ... 100%        |
| 68               |                      | LO | 65535              |                   |
| 69               | Hue                  | HI | 00000 ...          | 0 ... 360 Degrees |
| 70               |                      | LO | 65535              |                   |
| 71               | Saturation           | HI | 00000 ...          | 0 ... 100%        |
| 72               |                      | LO | 65535              |                   |
| ZONE 7 (V8 Only) |                      |    |                    |                   |
| 73               | Master Level         | HI | 00000 ...          | 0 ... 100%        |
| 74               |                      | LO | 65535              |                   |
| 75               | CCT                  | HI | 00000 ...          | 2200 ... 15000K   |
| 76               |                      | LO | 65535              |                   |
| 77               | Green/Magenta        | HI | 00000 ...<br>05000 | Neutral           |
|                  |                      |    | 05001 ...<br>35267 | -100 to -1 Green  |
|                  |                      |    | 35268              | Neutral           |

| Slot No                    | Slot Name            |    | DMX Value          | Output Value              |
|----------------------------|----------------------|----|--------------------|---------------------------|
| 78                         | CCT-Colour Crossfade | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| 79                         |                      | HI | 00000 ...          | 0 ... 100%                |
| 80                         |                      | LO | 65535              |                           |
| 81                         | Hue                  | HI | 00000 ...          | 0 ... 360 Degrees         |
| 82                         |                      | LO | 65535              |                           |
| 83                         | Saturation           | HI | 00000 ...          | 0 ... 100%                |
| 84                         |                      | LO | 65535              |                           |
| ZONE 8 (V8 Only)           |                      |    |                    |                           |
| 85                         | Master Level         | HI | 00000 ...          | 0 ... 100%                |
| 86                         |                      | LO | 65535              |                           |
| 87                         | CCT                  | HI | 00000 ...          | 2200 ... 15000K           |
| 88                         |                      | LO | 65535              |                           |
| 89                         | Green/Magenta        | HI | 00000 ...<br>05000 | Neutral                   |
|                            |                      |    | 05001 ...<br>35267 | -100 to -1 Green          |
|                            |                      |    | 35268              | Neutral                   |
| 90                         |                      | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| 91                         | CCT-Colour Crossfade | HI | 00000 ...          | 0 ... 100%                |
| 92                         |                      | LO | 65535              |                           |
| 93                         | Hue                  | HI | 00000 ...          | 0 ... 360 Degrees         |
| 94                         |                      | LO | 65535              |                           |
| 95                         | Saturation           | HI | 00000 ...          | 0 ... 100%                |
| 96                         |                      | LO | 65535              |                           |
| Control Channels (V8 Only) |                      |    |                    |                           |
| 97                         | Fan Mode             |    | 000 ... 255        | See Fan Mode Table        |
| 98                         | Control Channel      |    | 000 ... 255        | See Control Channel Table |

## Mode 40: 8-bit – Split Zone CCT and RGBW

| Slot No       | Slot Name            | DMX Value   | Output Value     |
|---------------|----------------------|-------------|------------------|
| <b>ZONE 1</b> |                      |             |                  |
| 1             | Level                | 000 ... 255 | 0 ... 100%       |
| 2             | CCT                  | 000 ... 255 | 2200 ... 15000K  |
| 3             | Green/Magenta        | 000 ... 010 | Neutral          |
|               |                      | 011 ... 133 | -100 to -1 Green |
|               |                      | 134         | Neutral          |
|               |                      | 135 ... 255 | +1 to +100 Green |
| 4             | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%       |
| 5             | Red                  | 000 ... 255 | 0 ... 100%       |
| 6             | Green                | 000 ... 255 | 0 ... 100%       |

| Slot No                 | Slot Name            | DMX Value   | Output Value              |
|-------------------------|----------------------|-------------|---------------------------|
| 7                       | Blue                 | 000 ... 255 | 0 ... 100%                |
| 8                       | White                | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 2</b>           |                      |             |                           |
| 9                       | Level                | 000 ... 255 | 0 ... 100%                |
| 10                      | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 11                      | Green/Magenta        | 000 ... 010 | Neutral                   |
|                         |                      | 011 ... 133 | -100 to -1 Green          |
|                         |                      | 134         | Neutral                   |
|                         |                      | 135 ... 255 | +1 to +100 Green          |
| 12                      | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 13                      | Red                  | 000 ... 255 | 0 ... 100%                |
| 14                      | Green                | 000 ... 255 | 0 ... 100%                |
| 15                      | Blue                 | 000 ... 255 | 0 ... 100%                |
| 16                      | White                | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels</b> |                      |             |                           |
| 17                      | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 18                      | Control Channel      | 000 ... 255 | See Control Channel Table |
| 19                      | Pixel Orientation    | 000 ... 255 | See Orientation Table     |

## Mode 41: 8-bit – Split Zone Hue/Saturation

| Slot No                 | Slot Name         | DMX Value   | Output Value              |
|-------------------------|-------------------|-------------|---------------------------|
| <b>ZONE 1</b>           |                   |             |                           |
| 1                       | Master Level      | 000 ... 255 | 0 ... 100%                |
| 2                       | Hue               | 000 ... 255 | 0 ... 360 Degrees         |
| 3                       | Saturation        | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 2</b>           |                   |             |                           |
| 4                       | Master Level      | 000 ... 255 | 0 ... 100%                |
| 5                       | Hue               | 000 ... 255 | 0 ... 360 Degrees         |
| 6                       | Saturation        | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels</b> |                   |             |                           |
| 7                       | Fan Mode          | 000 ... 255 | See Fan Mode Table        |
| 8                       | Control Channel   | 000 ... 255 | See Control Channel Table |
| 9                       | Pixel Orientation | 000 ... 255 | See Orientation Table     |

## Mode 42: 8-bit – Split Zone xy Coordinates

| Slot No       | Slot Name    | DMX Value   | Output Value |
|---------------|--------------|-------------|--------------|
| <b>ZONE 1</b> |              |             |              |
| 1             | Master Level | 000 ... 255 | 0 ... 100%   |
| 2             | x Coordinate | 000 ... 255 | 0 ... 0.8x   |

| Slot No                 | Slot Name         | DMX Value   | Output Value              |
|-------------------------|-------------------|-------------|---------------------------|
| 3                       | y Coordinate      | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 2</b>           |                   |             |                           |
| 4                       | Master Level      | 000 ... 255 | 0 ... 100%                |
| 5                       | x Coordinate      | 000 ... 255 | 0 ... 0.8x                |
| 6                       | y Coordinate      | 000 ... 255 | 0 ... 0.8y                |
| <b>Control Channels</b> |                   |             |                           |
| 7                       | Fan Mode          | 000 ... 255 | See Fan Mode Table        |
| 8                       | Control Channel   | 000 ... 255 | See Control Channel Table |
| 9                       | Pixel Orientation | 000 ... 255 | See Orientation Table     |

### Mode 43: 8-bit – Split Zone CCT and Hue/Saturation

| Slot No                 | Slot Name            | DMX Value   | Output Value              |
|-------------------------|----------------------|-------------|---------------------------|
| <b>ZONE 1</b>           |                      |             |                           |
| 1                       | Master Level         | 000 ... 255 | 0 ... 100%                |
| 2                       | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 3                       | Green/Magenta        | 000 ... 010 | Neutral                   |
|                         |                      | 011 ... 133 | -100 to -1 Green          |
|                         |                      | 134         | Neutral                   |
|                         |                      | 135 ... 255 | +1 to +100 Green          |
| 4                       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 5                       | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 6                       | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 2</b>           |                      |             |                           |
| 7                       | Master Level         | 000 ... 255 | 0 ... 100%                |
| 8                       | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 9                       | Green/Magenta        | 000 ... 010 | Neutral                   |
|                         |                      | 011 ... 133 | -100 to -1 Green          |
|                         |                      | 134         | Neutral                   |
|                         |                      | 135 ... 255 | +1 to +100 Green          |
| 10                      | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 11                      | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 12                      | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels</b> |                      |             |                           |
| 13                      | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 14                      | Control Channel      | 000 ... 255 | See Control Channel Table |
| 15                      | Pixel Orientation    | 000 ... 255 | See Orientation Table     |

## Mode 44: 16-bit – Split Zone CCT and RGBW

| Slot No | Slot Name               |    | DMX Value          | Output Value     |
|---------|-------------------------|----|--------------------|------------------|
| ZONE 1  |                         |    |                    |                  |
| 1       | Master Level            | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 2       |                         | LO |                    |                  |
| 3       | CCT                     | HI | 00000 ...<br>65535 | 2200 ... 15000K  |
| 4       |                         | LO |                    |                  |
| 5       | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral          |
|         |                         |    | 05001 ...<br>35267 | -100 to -1 Green |
|         |                         |    | 35268              | Neutral          |
| 6       |                         | LO | 35269 ...<br>65535 | +1 to +100 Green |
| 7       | CCT-Colour<br>Crossfade | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 8       |                         | LO |                    |                  |
| 9       | Red                     | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 10      |                         | LO |                    |                  |
| 11      | Green                   | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 12      |                         | LO |                    |                  |
| 13      | Blue                    | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 14      |                         | LO |                    |                  |
| 15      | White                   | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 16      |                         | LO |                    |                  |
| ZONE 2  |                         |    |                    |                  |
| 17      | Master Level            | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 18      |                         | LO |                    |                  |
| 19      | CCT                     | HI | 00000 ...<br>65535 | 2200 ... 15000K  |
| 20      |                         | LO |                    |                  |
| 21      | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral          |
|         |                         |    | 05001 ...<br>35267 | -100 to -1 Green |
|         |                         |    | 35268              | Neutral          |
| 22      |                         | LO | 35269 ...<br>65535 | +1 to +100 Green |
| 23      | CCT-Colour<br>Crossfade | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 24      |                         | LO |                    |                  |
| 25      | Red                     | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 26      |                         | LO |                    |                  |
| 27      | Green                   | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 28      |                         | LO |                    |                  |
| 29      | Blue                    | HI | 00000 ...<br>65535 | 0 ... 100%       |
| 30      |                         | LO |                    |                  |
| 31      | White                   | HI |                    | 0 ... 100%       |

| Slot No                 | Slot Name         |    | DMX Value       | Output Value              |
|-------------------------|-------------------|----|-----------------|---------------------------|
| 32                      |                   | LO | 00000 ... 65535 |                           |
| <b>Control Channels</b> |                   |    |                 |                           |
| 33                      | Fan Mode          |    | 000 ... 255     | See Fan Mode Table        |
| 34                      | Control Channel   |    | 000 ... 255     | See Control Channel Table |
| 35                      | Pixel Orientation |    | 000 ... 255     | See Orientation Table     |

## Mode 45: 16-bit – Split Zone Hue/Saturation

| Slot No          | Slot Name         |    | DMX Value       | Output Value              |
|------------------|-------------------|----|-----------------|---------------------------|
| ZONE 1           |                   |    |                 |                           |
| 1                | Master Level      | HI | 00000 ... 65535 | 0 ... 100%                |
| 2                |                   | LO |                 |                           |
| 3                | Hue               | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 4                |                   | LO |                 |                           |
| 5                | Saturation        | HI | 00000 ... 65535 | 0 ... 100%                |
| 6                |                   | LO |                 |                           |
| ZONE 2           |                   |    |                 |                           |
| 7                | Master Level      | HI | 00000 ... 65535 | 0 ... 100%                |
| 8                |                   | LO |                 |                           |
| 9                | Hue               | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 10               |                   | LO |                 |                           |
| 11               | Saturation        | HI | 00000 ... 65535 | 0 ... 100%                |
| 12               |                   | LO |                 |                           |
| Control Channels |                   |    |                 |                           |
| 13               | Fan Mode          |    | 000 ... 255     | See Fan Mode Table        |
| 14               | Control Channel   |    | 000 ... 255     | See Control Channel Table |
| 15               | Pixel Orientation |    | 000 ... 255     | See Orientation Table     |

## Mode 46: 16-bit – Split Zone xy Coordinates

| Slot No | Slot Name    |    | DMX Value       | Output Value |
|---------|--------------|----|-----------------|--------------|
| ZONE 1  |              |    |                 |              |
| 1       | Master Level | HI | 00000 ... 65535 | 0 ... 100%   |
| 2       |              | LO |                 |              |
| 3       | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x   |
| 4       |              | LO |                 |              |
| 5       | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y   |
| 6       |              | LO |                 |              |
| ZONE 2  |              |    |                 |              |
| 7       | Master Level | HI | 00000 ... 65535 | 0 ... 100%   |
| 8       |              | LO |                 |              |

| Slot No          | Slot Name         |    | DMX Value       | Output Value              |
|------------------|-------------------|----|-----------------|---------------------------|
| 9                | x Coordinate      | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 10               |                   | LO |                 |                           |
| 11               | y Coordinate      | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 12               |                   | LO |                 |                           |
| Control Channels |                   |    |                 |                           |
| 13               | Fan Mode          |    | 000 ... 255     | See Fan Mode Table        |
| 14               | Control Channel   |    | 000 ... 255     | See Control Channel Table |
| 15               | Pixel Orientation |    | 000 ... 255     | See Orientation Table     |

## Mode 47: 16-bit -Split Zone CCT and Hue/Saturation

| Slot No | Slot Name            |    | DMX Value       | Output Value      |
|---------|----------------------|----|-----------------|-------------------|
| ZONE 1  |                      |    |                 |                   |
| 1       | Master Level         | HI | 00000 ... 65535 | 0 ... 100%        |
| 2       |                      | LO |                 |                   |
| 3       | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K   |
| 4       |                      | LO |                 |                   |
| 5       | Green/Magenta        | HI | 00000 ... 05000 | Neutral           |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green  |
|         |                      |    | 35268           | Neutral           |
| 6       |                      | LO | 35269 ... 65535 | +1 to +100 Green  |
| 7       | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%        |
| 8       |                      | LO |                 |                   |
| 9       | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 10      |                      | LO |                 |                   |
| 11      | Saturation           | HI | 00000 ... 65535 | 0 ... 100%        |
| 12      |                      | LO |                 |                   |
| ZONE 2  |                      |    |                 |                   |
| 13      | Master Level         | HI | 00000 ... 65535 | 0 ... 100%        |
| 14      |                      | LO |                 |                   |
| 15      | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K   |
| 16      |                      | LO |                 |                   |
| 17      | Green/Magenta        | HI | 00000 ... 05000 | Neutral           |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green  |
|         |                      |    | 35268           | Neutral           |
| 18      |                      | LO | 35269 ... 65535 | +1 to +100 Green  |
| 19      | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%        |
| 20      |                      | LO |                 |                   |
| 21      | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees |

| Slot No          | Slot Name         |    | DMX Value       | Output Value              |
|------------------|-------------------|----|-----------------|---------------------------|
| 22               | Saturation        | LO | 00000 ... 65535 | 0 ... 100%                |
| 23               |                   | HI |                 |                           |
| 24               |                   | LO |                 |                           |
| Control Channels |                   |    |                 |                           |
| 25               | Fan Mode          |    | 000 ... 255     | See Fan Mode Table        |
| 26               | Control Channel   |    | 000 ... 255     | See Control Channel Table |
| 27               | Pixel Orientation |    | 000 ... 255     | See Orientation Table     |

## Mode 48: 8-bit – Bars Zone CCT and RGBW

| Slot No                           | Slot Name            | DMX Value   | Output Value              |
|-----------------------------------|----------------------|-------------|---------------------------|
| <b>ZONE 1</b>                     |                      |             |                           |
| 1                                 | Level                | 000 ... 255 | 0 ... 100%                |
| 2                                 | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 3                                 | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 4                                 | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 5                                 | Red                  | 000 ... 255 | 0 ... 100%                |
| 6                                 | Green                | 000 ... 255 | 0 ... 100%                |
| 7                                 | Blue                 | 000 ... 255 | 0 ... 100%                |
| 8                                 | White                | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 2</b>                     |                      |             |                           |
| 9                                 | Level                | 000 ... 255 | 0 ... 100%                |
| 10                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 11                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 12                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 13                                | Red                  | 000 ... 255 | 0 ... 100%                |
| 14                                | Green                | 000 ... 255 | 0 ... 100%                |
| 15                                | Blue                 | 000 ... 255 | 0 ... 100%                |
| 16                                | White                | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V4 Only)</b> |                      |             |                           |
| 17                                | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 18                                | Control Channel      | 000 ... 255 | See Control Channel Table |
| 19                                | Pixel Orientation    | 000 ... 255 | See Orientation Table     |
| <b>ZONE 3 (V8 Only)</b>           |                      |             |                           |

| Slot No                           | Slot Name            | DMX Value   | Output Value              |
|-----------------------------------|----------------------|-------------|---------------------------|
| 17                                | Level                | 000 ... 255 | 0 ... 100%                |
| 18                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 19                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 20                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 21                                | Red                  | 000 ... 255 | 0 ... 100%                |
| 22                                | Green                | 000 ... 255 | 0 ... 100%                |
| 23                                | Blue                 | 000 ... 255 | 0 ... 100%                |
| 24                                | White                | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 4 (V8 Only)</b>           |                      |             |                           |
| 25                                | Level                | 000 ... 255 | 0 ... 100%                |
| 26                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 27                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 28                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 29                                | Red                  | 000 ... 255 | 0 ... 100%                |
| 30                                | Green                | 000 ... 255 | 0 ... 100%                |
| 31                                | Blue                 | 000 ... 255 | 0 ... 100%                |
| 32                                | White                | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V8 Only)</b> |                      |             |                           |
| 33                                | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 34                                | Control Channel      | 000 ... 255 | See Control Channel Table |
| 35                                | Pixel Orientation    | 000 ... 255 | See Orientation Table     |

## Mode 49: 8-bit – Bars Zone Hue/Saturation

| Slot No                           | Slot Name    | DMX Value   | Output Value      |
|-----------------------------------|--------------|-------------|-------------------|
| <b>ZONE 1</b>                     |              |             |                   |
| 1                                 | Master Level | 000 ... 255 | 0 ... 100%        |
| 2                                 | Hue          | 000 ... 255 | 0 ... 360 Degrees |
| 3                                 | Saturation   | 000 ... 255 | 0 ... 100%        |
| <b>ZONE 2</b>                     |              |             |                   |
| 4                                 | Master Level | 000 ... 255 | 0 ... 100%        |
| 5                                 | Hue          | 000 ... 255 | 0 ... 360 Degrees |
| 6                                 | Saturation   | 000 ... 255 | 0 ... 100%        |
| <b>Control Channels (V4 Only)</b> |              |             |                   |

| Slot No                           | Slot Name         | DMX Value   | Output Value              |
|-----------------------------------|-------------------|-------------|---------------------------|
| 7                                 | Fan Mode          | 000 ... 255 | See Fan Mode Table        |
| 8                                 | Control Channel   | 000 ... 255 | See Control Channel Table |
| 9                                 | Pixel Orientation | 000 ... 255 | See Orientation Table     |
| <b>ZONE 3 (V8 Only)</b>           |                   |             |                           |
| 7                                 | Master Level      | 000 ... 255 | 0 ... 100%                |
| 8                                 | Hue               | 000 ... 255 | 0 ... 360 Degrees         |
| 9                                 | Saturation        | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 4 (V8 Only)</b>           |                   |             |                           |
| 10                                | Master Level      | 000 ... 255 | 0 ... 100%                |
| 11                                | Hue               | 000 ... 255 | 0 ... 360 Degrees         |
| 12                                | Saturation        | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V8 Only)</b> |                   |             |                           |
| 13                                | Fan Mode          | 000 ... 255 | See Fan Mode Table        |
| 14                                | Control Channel   | 000 ... 255 | See Control Channel Table |
| 15                                | Pixel Orientation | 000 ... 255 | See Orientation Table     |

## Mode 50: 8-bit – Bars Zone xy Coordinates

| Slot No                           | Slot Name         | DMX Value   | Output Value              |
|-----------------------------------|-------------------|-------------|---------------------------|
| <b>ZONE 1</b>                     |                   |             |                           |
| 1                                 | Master Level      | 000 ... 255 | 0 ... 100%                |
| 2                                 | x Coordinate      | 000 ... 255 | 0 ... 0.8x                |
| 3                                 | y Coordinate      | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 2</b>                     |                   |             |                           |
| 4                                 | Master Level      | 000 ... 255 | 0 ... 100%                |
| 5                                 | x Coordinate      | 000 ... 255 | 0 ... 0.8x                |
| 6                                 | y Coordinate      | 000 ... 255 | 0 ... 0.8y                |
| <b>Control Channels (V4 Only)</b> |                   |             |                           |
| 7                                 | Fan Mode          | 000 ... 255 | See Fan Mode Table        |
| 8                                 | Control Channel   | 000 ... 255 | See Control Channel Table |
| 9                                 | Pixel Orientation | 000 ... 255 | See Orientation Table     |
| <b>ZONE 3 (V8 Only)</b>           |                   |             |                           |
| 7                                 | Master Level      | 000 ... 255 | 0 ... 100%                |
| 8                                 | x Coordinate      | 000 ... 255 | 0 ... 0.8x                |
| 9                                 | y Coordinate      | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 4 (V8 Only)</b>           |                   |             |                           |
| 10                                | Master Level      | 000 ... 255 | 0 ... 100%                |
| 11                                | x Coordinate      | 000 ... 255 | 0 ... 0.8x                |
| 12                                | y Coordinate      | 000 ... 255 | 0 ... 0.8y                |
| <b>Control Channels (V8 Only)</b> |                   |             |                           |
| 13                                | Fan Mode          | 000 ... 255 | See Fan Mode Table        |
| 14                                | Control Channel   | 000 ... 255 | See Control Channel Table |

| Slot No | Slot Name         | DMX Value   | Output Value          |
|---------|-------------------|-------------|-----------------------|
| 15      | Pixel Orientation | 000 ... 255 | See Orientation Table |

## Mode 51: 8-bit – Bars Zone CCT and Hue/Saturation

| Slot No                           | Slot Name            | DMX Value   | Output Value              |
|-----------------------------------|----------------------|-------------|---------------------------|
| <b>ZONE 1</b>                     |                      |             |                           |
| 1                                 | Master Level         | 000 ... 255 | 0 ... 100%                |
| 2                                 | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 3                                 | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 4                                 | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 5                                 | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 6                                 | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 2</b>                     |                      |             |                           |
| 7                                 | Master Level         | 000 ... 255 | 0 ... 100%                |
| 8                                 | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 9                                 | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 10                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 11                                | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 12                                | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V4 Only)</b> |                      |             |                           |
| 13                                | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 14                                | Control Channel      | 000 ... 255 | See Control Channel Table |
| 15                                | Pixel Orientation    | 000 ... 255 | See Orientation Table     |
| <b>ZONE 3 (V8 Only)</b>           |                      |             |                           |
| 13                                | Master Level         | 000 ... 255 | 0 ... 100%                |
| 14                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 15                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 16                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 17                                | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 18                                | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 4 (V8 Only)</b>           |                      |             |                           |
| 19                                | Master Level         | 000 ... 255 | 0 ... 100%                |

| Slot No                           | Slot Name            | DMX Value   | Output Value              |
|-----------------------------------|----------------------|-------------|---------------------------|
| 20                                | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 21                                | Green/Magenta        | 000 ... 010 | Neutral                   |
|                                   |                      | 011 ... 133 | -100 to -1 Green          |
|                                   |                      | 134         | Neutral                   |
|                                   |                      | 135 ... 255 | +1 to +100 Green          |
| 22                                | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 23                                | Hue                  | 000 ... 255 | 0 ... 360 Degrees         |
| 24                                | Saturation           | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels (V8 Only)</b> |                      |             |                           |
| 25                                | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 26                                | Control Channel      | 000 ... 255 | See Control Channel Table |
| 27                                | Pixel Orientation    | 000 ... 255 | See Orientation Table     |

## Mode 52: 16-bit – Bar Zone CCT and RGBW

| Slot No | Slot Name               |    | DMX Value          | Output Value     |
|---------|-------------------------|----|--------------------|------------------|
| ZONE 1  |                         |    |                    |                  |
| 1       | Master Level            | HI | 00000 ...          | 0 ... 100%       |
| 2       |                         | LO | 65535              |                  |
| 3       | CCT                     | HI | 00000 ...          | 2200 ... 15000K  |
| 4       |                         | LO | 65535              |                  |
| 5       | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral          |
|         |                         |    | 05001 ...<br>35267 | -100 to -1 Green |
|         |                         |    | 35268              | Neutral          |
| 6       |                         | LO | 35269 ...<br>65535 | +1 to +100 Green |
| 7       | CCT-Colour<br>Crossfade | HI | 00000 ...          | 0 ... 100%       |
| 8       |                         | LO | 65535              |                  |
| 9       | Red                     | HI | 00000 ...          | 0 ... 100%       |
| 10      |                         | LO | 65535              |                  |
| 11      | Green                   | HI | 00000 ...          | 0 ... 100%       |
| 12      |                         | LO | 65535              |                  |
| 13      | Blue                    | HI | 00000 ...          | 0 ... 100%       |
| 14      |                         | LO | 65535              |                  |
| 15      | White                   | HI | 00000 ...          | 0 ... 100%       |
| 16      |                         | LO | 65535              |                  |
| ZONE 2  |                         |    |                    |                  |
| 17      | Master Level            | HI | 00000 ...          | 0 ... 100%       |
| 18      |                         | LO | 65535              |                  |
| 19      | CCT                     | HI | 00000 ...          | 2200 ... 15000K  |
| 20      |                         | LO | 65535              |                  |

| Slot No                    | Slot Name               |    | DMX Value          | Output Value              |
|----------------------------|-------------------------|----|--------------------|---------------------------|
| 21                         | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral                   |
|                            |                         |    | 05001 ...<br>35267 | -100 to -1 Green          |
|                            |                         |    | 35268              | Neutral                   |
| 22                         |                         | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| 23                         | CCT-Colour<br>Crossfade | HI | 00000 ...          | 0 ... 100%                |
| 24                         |                         | LO | 65535              |                           |
| 25                         | Red                     | HI | 00000 ...          | 0 ... 100%                |
| 26                         |                         | LO | 65535              |                           |
| 27                         | Green                   | HI | 00000 ...          | 0 ... 100%                |
| 28                         |                         | LO | 65535              |                           |
| 29                         | Blue                    | HI | 00000 ...          | 0 ... 100%                |
| 30                         |                         | LO | 65535              |                           |
| 31                         | White                   | HI | 00000 ...          | 0 ... 100%                |
| 32                         |                         | LO | 65535              |                           |
| Control Channels (V4 Only) |                         |    |                    |                           |
| 33                         | Fan Mode                |    | 000 ... 255        | See Fan Mode Table        |
| 34                         | Control Channel         |    | 000 ... 255        | See Control Channel Table |
| 35                         | Pixel Orientation       |    | 000 ... 255        | See Orientation Table     |
| ZONE 3 (V8 Only)           |                         |    |                    |                           |
| 33                         | Master Level            | HI | 00000 ...          | 0 ... 100%                |
| 34                         |                         | LO | 65535              |                           |
| 35                         | CCT                     | HI | 00000 ...          | 2200 ... 15000K           |
| 36                         |                         | LO | 65535              |                           |
| 37                         | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral                   |
|                            |                         |    | 05001 ...<br>35267 | -100 to -1 Green          |
|                            |                         |    | 35268              | Neutral                   |
| 38                         |                         | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| 39                         | CCT-Colour<br>Crossfade | HI | 00000 ...          | 0 ... 100%                |
| 40                         |                         | LO | 65535              |                           |
| 41                         | Red                     | HI | 00000 ...          | 0 ... 100%                |
| 42                         |                         | LO | 65535              |                           |
| 43                         | Green                   | HI | 00000 ...          | 0 ... 100%                |
| 44                         |                         | LO | 65535              |                           |
| 45                         | Blue                    | HI | 00000 ...          | 0 ... 100%                |
| 46                         |                         | LO | 65535              |                           |
| 47                         | White                   | HI | 00000 ...          | 0 ... 100%                |
| 48                         |                         | LO | 65535              |                           |
| ZONE 4 (V8 Only)           |                         |    |                    |                           |
| 49                         | Master Level            | HI |                    | 0 ... 100%                |

| Slot No                    | Slot Name               |    | DMX Value          | Output Value              |
|----------------------------|-------------------------|----|--------------------|---------------------------|
| 50                         |                         | LO | 00000 ...<br>65535 |                           |
| 51                         | CCT                     | HI | 00000 ...          | 2200 ... 15000K           |
| 52                         |                         | LO | 65535              |                           |
| 53                         | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral                   |
|                            |                         |    | 05001 ...<br>35267 | -100 to -1 Green          |
|                            |                         |    | 35268              | Neutral                   |
| 54                         |                         | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| 55                         | CCT-Colour<br>Crossfade | HI | 00000 ...          | 0 ... 100%                |
| 56                         |                         | LO | 65535              |                           |
| 57                         | Red                     | HI | 00000 ...          | 0 ... 100%                |
| 58                         |                         | LO | 65535              |                           |
| 59                         | Green                   | HI | 00000 ...          | 0 ... 100%                |
| 60                         |                         | LO | 65535              |                           |
| 61                         | Blue                    | HI | 00000 ...          | 0 ... 100%                |
| 62                         |                         | LO | 65535              |                           |
| 63                         | White                   | HI | 00000 ...          | 0 ... 100%                |
| 64                         |                         | LO | 65535              |                           |
| Control Channels (V8 Only) |                         |    |                    |                           |
| 65                         | Fan Mode                |    | 000 ... 255        | See Fan Mode Table        |
| 66                         | Control Channel         |    | 000 ... 255        | See Control Channel Table |
| 67                         | Pixel Orientation       |    | 000 ... 255        | See Orientation Table     |

## Mode 53: 16-bit – Bars Zone Hue/Saturation

| Slot No | Slot Name    |    | DMX Value | Output Value      |
|---------|--------------|----|-----------|-------------------|
| ZONE 1  |              |    |           |                   |
| 1       | Master Level | HI | 00000 ... | 0 ... 100%        |
| 2       |              | LO | 65535     |                   |
| 3       | Hue          | HI | 00000 ... | 0 ... 360 Degrees |
| 4       |              | LO | 65535     |                   |
| 5       | Saturation   | HI | 00000 ... | 0 ... 100%        |
| 6       |              | LO | 65535     |                   |
| ZONE 2  |              |    |           |                   |
| 7       | Master Level | HI | 00000 ... | 0 ... 100%        |
| 8       |              | LO | 65535     |                   |
| 9       | Hue          | HI | 00000 ... | 0 ... 360 Degrees |
| 10      |              | LO | 65535     |                   |
| 11      | Saturation   | HI |           | 0 ... 100%        |

| Slot No                    | Slot Name         |    | DMX Value       | Output Value              |
|----------------------------|-------------------|----|-----------------|---------------------------|
| 12                         |                   | LO | 00000 ... 65535 |                           |
| Control Channels (V4 Only) |                   |    |                 |                           |
| 13                         | Fan Mode          |    | 000 ... 255     | See Fan Mode Table        |
| 14                         | Control Channel   |    | 000 ... 255     | See Control Channel Table |
| 15                         | Pixel Orientation |    | 000 ... 255     | See Orientation Table     |
| ZONE 3 (V8 Only)           |                   |    |                 |                           |
| 13                         | Master Level      | HI | 00000 ... 65535 | 0 ... 100%                |
| 14                         |                   | LO |                 |                           |
| 15                         | Hue               | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 16                         |                   | LO |                 |                           |
| 17                         | Saturation        | HI | 00000 ... 65535 | 0 ... 100%                |
| 18                         |                   | LO |                 |                           |
| ZONE 4 (V8 Only)           |                   |    |                 |                           |
| 19                         | Master Level      | HI | 00000 ... 65535 | 0 ... 100%                |
| 20                         |                   | LO |                 |                           |
| 21                         | Hue               | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 22                         |                   | LO |                 |                           |
| 23                         | Saturation        | HI | 00000 ... 65535 | 0 ... 100%                |
| 24                         |                   | LO |                 |                           |
| Control Channels (V8 Only) |                   |    |                 |                           |
| 25                         | Fan Mode          |    | 000 ... 255     | See Fan Mode Table        |
| 26                         | Control Channel   |    | 000 ... 255     | See Control Channel Table |
| 27                         | Pixel Orientation |    | 000 ... 255     | See Orientation Table     |

## Mode 54: 16-bit – Bars Zone xy Coordinates

| Slot No | Slot Name    |    | DMX Value       | Output Value |
|---------|--------------|----|-----------------|--------------|
| ZONE 1  |              |    |                 |              |
| 1       | Master Level | HI | 00000 ... 65535 | 0 ... 100%   |
| 2       |              | LO |                 |              |
| 3       | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x   |
| 4       |              | LO |                 |              |
| 5       | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y   |
| 6       |              | LO |                 |              |
| ZONE 2  |              |    |                 |              |
| 7       | Master Level | HI | 00000 ... 65535 | 0 ... 100%   |
| 8       |              | LO |                 |              |
| 9       | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x   |
| 10      |              | LO |                 |              |
| 11      | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y   |

| Slot No                    | Slot Name         |    | DMX Value       | Output Value              |
|----------------------------|-------------------|----|-----------------|---------------------------|
| 12                         |                   | LO |                 |                           |
| Control Channels (V4 Only) |                   |    |                 |                           |
| 13                         | Fan Mode          |    | 000 ... 255     | See Fan Mode Table        |
| 14                         | Control Channel   |    | 000 ... 255     | See Control Channel Table |
| 15                         | Pixel Orientation |    | 000 ... 255     | See Orientation Table     |
| ZONE 3 (V8 Only)           |                   |    |                 |                           |
| 13                         | Master Level      | HI | 00000 ... 65535 | 0 ... 100%                |
| 14                         |                   | LO |                 |                           |
| 15                         | x Coordinate      | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 16                         |                   | LO |                 |                           |
| 17                         | y Coordinate      | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 18                         |                   | LO |                 |                           |
| ZONE 4 (V8 Only)           |                   |    |                 |                           |
| 19                         | Master Level      | HI | 00000 ... 65535 | 0 ... 100%                |
| 20                         |                   | LO |                 |                           |
| 21                         | x Coordinate      | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 22                         |                   | LO |                 |                           |
| 23                         | y Coordinate      | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 24                         |                   | LO |                 |                           |
| Control Channels (V8 Only) |                   |    |                 |                           |
| 25                         | Fan Mode          |    | 000 ... 255     | See Fan Mode Table        |
| 26                         | Control Channel   |    | 000 ... 255     | See Control Channel Table |
| 27                         | Pixel Orientation |    | 000 ... 255     | See Orientation Table     |

## Mode 55: 16-bit – Bars Zone CCT and Hue/Saturation

| Slot No       | Slot Name            |    | DMX Value       | Output Value      |
|---------------|----------------------|----|-----------------|-------------------|
| <b>ZONE 1</b> |                      |    |                 |                   |
| 1             | Master Level         | HI | 00000 ... 65535 | 0 ... 100%        |
| 2             |                      | LO |                 |                   |
| 3             | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K   |
| 4             |                      | LO |                 |                   |
| 5             | Green/Magenta        | HI | 00000 ... 05000 | Neutral           |
|               |                      |    | 05001 ... 35267 | -100 to -1 Green  |
|               |                      |    | 35268           | Neutral           |
| 6             |                      | LO | 35269 ... 65535 | +1 to +100 Green  |
| 7             | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%        |
| 8             |                      | LO |                 |                   |
| 9             | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 10            |                      | LO |                 |                   |
| 11            | Saturation           | HI | 00000 ... 65535 | 0 ... 100%        |

| Slot No                    | Slot Name            |    | DMX Value       | Output Value              |
|----------------------------|----------------------|----|-----------------|---------------------------|
| 12                         |                      | LO |                 |                           |
| ZONE 2                     |                      |    |                 |                           |
| 13                         | Master Level         | HI | 00000 ... 65535 | 0 ... 100%                |
| 14                         |                      | LO |                 |                           |
| 15                         | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 16                         |                      | LO |                 |                           |
| 17                         | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|                            |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|                            |                      |    | 35268           | Neutral                   |
| 18                         |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 19                         | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 20                         |                      | LO |                 |                           |
| 21                         | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 22                         |                      | LO |                 |                           |
| 23                         | Saturation           | HI | 00000 ... 65535 | 0 ... 100%                |
| 24                         |                      | LO |                 |                           |
| Control Channels (V4 Only) |                      |    |                 |                           |
| 25                         | Fan Mode             |    | 000 ... 255     | See Fan Mode Table        |
| 26                         | Control Channel      |    | 000 ... 255     | See Control Channel Table |
| 27                         | Pixel Orientation    |    | 000 ... 255     | See Orientation Table     |
| ZONE 3 (V8 Only)           |                      |    |                 |                           |
| 25                         | Master Level         | HI | 00000 ... 65535 | 0 ... 100%                |
| 26                         |                      | LO |                 |                           |
| 27                         | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 28                         |                      | LO |                 |                           |
| 29                         | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|                            |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|                            |                      |    | 35268           | Neutral                   |
| 30                         |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 31                         | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 32                         |                      | LO |                 |                           |
| 33                         | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 34                         |                      | LO |                 |                           |
| 35                         | Saturation           | HI | 00000 ... 65535 | 0 ... 100%                |
| 36                         |                      | LO |                 |                           |
| ZONE 4 (V8 Only)           |                      |    |                 |                           |
| 37                         | Master Level         | HI | 00000 ... 65535 | 0 ... 100%                |
| 38                         |                      | LO |                 |                           |
| 39                         | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 40                         |                      | LO |                 |                           |

| Slot No                    | Slot Name            |    | DMX Value       | Output Value              |
|----------------------------|----------------------|----|-----------------|---------------------------|
| 41                         | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|                            |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|                            |                      |    | 35268           | Neutral                   |
| 42                         |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 43                         | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 44                         |                      | LO |                 |                           |
| 45                         | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 46                         |                      | LO |                 |                           |
| 47                         | Saturation           | HI | 00000 ... 65535 | 0 ... 100%                |
| 48                         |                      | LO |                 |                           |
| Control Channels (V8 Only) |                      |    |                 |                           |
| 49                         | Fan Mode             |    | 000 ... 255     | See Fan Mode Table        |
| 50                         | Control Channel      |    | 000 ... 255     | See Control Channel Table |
| 51                         | Pixel Orientation    |    | 000 ... 255     | See Orientation Table     |

## Mode 56: 8-bit – Grid Zone CCT and RGBW

| Slot No       | Slot Name            | DMX Value   | Output Value     |
|---------------|----------------------|-------------|------------------|
| <b>ZONE 1</b> |                      |             |                  |
| 1             | Level                | 000 ... 255 | 0 ... 100%       |
| 2             | CCT                  | 000 ... 255 | 2200 ... 15000K  |
| 3             | Green/Magenta        | 000 ... 010 | Neutral          |
|               |                      | 011 ... 133 | -100 to -1 Green |
|               |                      | 134         | Neutral          |
|               |                      | 135 ... 255 | +1 to +100 Green |
| 4             | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%       |
| 5             | Red                  | 000 ... 255 | 0 ... 100%       |
| 6             | Green                | 000 ... 255 | 0 ... 100%       |
| 7             | Blue                 | 000 ... 255 | 0 ... 100%       |
| 8             | White                | 000 ... 255 | 0 ... 100%       |
| <b>ZONE 2</b> |                      |             |                  |
| 9             | Level                | 000 ... 255 | 0 ... 100%       |
| 10            | CCT                  | 000 ... 255 | 2200 ... 15000K  |
| 11            | Green/Magenta        | 000 ... 010 | Neutral          |
|               |                      | 011 ... 133 | -100 to -1 Green |
|               |                      | 134         | Neutral          |
|               |                      | 135 ... 255 | +1 to +100 Green |
| 12            | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%       |
| 13            | Red                  | 000 ... 255 | 0 ... 100%       |

| Slot No                 | Slot Name            | DMX Value   | Output Value              |
|-------------------------|----------------------|-------------|---------------------------|
| 14                      | Green                | 000 ... 255 | 0 ... 100%                |
| 15                      | Blue                 | 000 ... 255 | 0 ... 100%                |
| 16                      | White                | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 3</b>           |                      |             |                           |
| 17                      | Level                | 000 ... 255 | 0 ... 100%                |
| 18                      | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 19                      | Green/Magenta        | 000 ... 010 | Neutral                   |
|                         |                      | 011 ... 133 | -100 to -1 Green          |
|                         |                      | 134         | Neutral                   |
|                         |                      | 135 ... 255 | +1 to +100 Green          |
| 20                      | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 21                      | Red                  | 000 ... 255 | 0 ... 100%                |
| 22                      | Green                | 000 ... 255 | 0 ... 100%                |
| 23                      | Blue                 | 000 ... 255 | 0 ... 100%                |
| 24                      | White                | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 4</b>           |                      |             |                           |
| 25                      | Level                | 000 ... 255 | 0 ... 100%                |
| 26                      | CCT                  | 000 ... 255 | 2200 ... 15000K           |
| 27                      | Green/Magenta        | 000 ... 010 | Neutral                   |
|                         |                      | 011 ... 133 | -100 to -1 Green          |
|                         |                      | 134         | Neutral                   |
|                         |                      | 135 ... 255 | +1 to +100 Green          |
| 28                      | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%                |
| 29                      | Red                  | 000 ... 255 | 0 ... 100%                |
| 30                      | Green                | 000 ... 255 | 0 ... 100%                |
| 31                      | Blue                 | 000 ... 255 | 0 ... 100%                |
| 32                      | White                | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels</b> |                      |             |                           |
| 33                      | Fan Mode             | 000 ... 255 | See Fan Mode Table        |
| 34                      | Control Channel      | 000 ... 255 | See Control Channel Table |

## Mode 57: 8-bit – Grid Zone Hue/Saturation

| Slot No       | Slot Name    | DMX Value   | Output Value      |
|---------------|--------------|-------------|-------------------|
| <b>ZONE 1</b> |              |             |                   |
| 1             | Master Level | 000 ... 255 | 0 ... 100%        |
| 2             | Hue          | 000 ... 255 | 0 ... 360 Degrees |
| 3             | Saturation   | 000 ... 255 | 0 ... 100%        |
| <b>ZONE 2</b> |              |             |                   |
| 4             | Master Level | 000 ... 255 | 0 ... 100%        |

| Slot No                 | Slot Name       | DMX Value   | Output Value              |
|-------------------------|-----------------|-------------|---------------------------|
| 5                       | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 6                       | Saturation      | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 3</b>           |                 |             |                           |
| 7                       | Master Level    | 000 ... 255 | 0 ... 100%                |
| 8                       | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 9                       | Saturation      | 000 ... 255 | 0 ... 100%                |
| <b>ZONE 4</b>           |                 |             |                           |
| 10                      | Master Level    | 000 ... 255 | 0 ... 100%                |
| 11                      | Hue             | 000 ... 255 | 0 ... 360 Degrees         |
| 12                      | Saturation      | 000 ... 255 | 0 ... 100%                |
| <b>Control Channels</b> |                 |             |                           |
| 13                      | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 14                      | Control Channel | 000 ... 255 | See Control Channel Table |

### Mode 58: 8-bit – Grid Zone xy Coordinates

| Slot No                 | Slot Name       | DMX Value   | Output Value              |
|-------------------------|-----------------|-------------|---------------------------|
| <b>ZONE 1</b>           |                 |             |                           |
| 1                       | Master Level    | 000 ... 255 | 0 ... 100%                |
| 2                       | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 3                       | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 2</b>           |                 |             |                           |
| 4                       | Master Level    | 000 ... 255 | 0 ... 100%                |
| 5                       | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 6                       | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 3</b>           |                 |             |                           |
| 7                       | Master Level    | 000 ... 255 | 0 ... 100%                |
| 8                       | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 9                       | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>ZONE 4</b>           |                 |             |                           |
| 10                      | Master Level    | 000 ... 255 | 0 ... 100%                |
| 11                      | x Coordinate    | 000 ... 255 | 0 ... 0.8x                |
| 12                      | y Coordinate    | 000 ... 255 | 0 ... 0.8y                |
| <b>Control Channels</b> |                 |             |                           |
| 13                      | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 14                      | Control Channel | 000 ... 255 | See Control Channel Table |

### Mode 59: 8-bit – Grid Zone CCT and Hue/Saturation

| Slot No       | Slot Name | DMX Value | Output Value |
|---------------|-----------|-----------|--------------|
| <b>ZONE 1</b> |           |           |              |

| Slot No                 | Slot Name            | DMX Value   | Output Value       |
|-------------------------|----------------------|-------------|--------------------|
| 1                       | Master Level         | 000 ... 255 | 0 ... 100%         |
| 2                       | CCT                  | 000 ... 255 | 2200 ... 15000K    |
| 3                       | Green/Magenta        | 000 ... 010 | Neutral            |
|                         |                      | 011 ... 133 | -100 to -1 Green   |
|                         |                      | 134         | Neutral            |
|                         |                      | 135 ... 255 | +1 to +100 Green   |
| 4                       | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%         |
| 5                       | Hue                  | 000 ... 255 | 0 ... 360 Degrees  |
| 6                       | Saturation           | 000 ... 255 | 0 ... 100%         |
| <b>ZONE 2</b>           |                      |             |                    |
| 7                       | Master Level         | 000 ... 255 | 0 ... 100%         |
| 8                       | CCT                  | 000 ... 255 | 2200 ... 15000K    |
| 9                       | Green/Magenta        | 000 ... 010 | Neutral            |
|                         |                      | 011 ... 133 | -100 to -1 Green   |
|                         |                      | 134         | Neutral            |
|                         |                      | 135 ... 255 | +1 to +100 Green   |
| 10                      | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%         |
| 11                      | Hue                  | 000 ... 255 | 0 ... 360 Degrees  |
| 12                      | Saturation           | 000 ... 255 | 0 ... 100%         |
| <b>ZONE 3</b>           |                      |             |                    |
| 13                      | Master Level         | 000 ... 255 | 0 ... 100%         |
| 14                      | CCT                  | 000 ... 255 | 2200 ... 15000K    |
| 15                      | Green/Magenta        | 000 ... 010 | Neutral            |
|                         |                      | 011 ... 133 | -100 to -1 Green   |
|                         |                      | 134         | Neutral            |
|                         |                      | 135 ... 255 | +1 to +100 Green   |
| 16                      | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%         |
| 17                      | Hue                  | 000 ... 255 | 0 ... 360 Degrees  |
| 18                      | Saturation           | 000 ... 255 | 0 ... 100%         |
| <b>ZONE 4</b>           |                      |             |                    |
| 19                      | Master Level         | 000 ... 255 | 0 ... 100%         |
| 20                      | CCT                  | 000 ... 255 | 2200 ... 15000K    |
| 21                      | Green/Magenta        | 000 ... 010 | Neutral            |
|                         |                      | 011 ... 133 | -100 to -1 Green   |
|                         |                      | 134         | Neutral            |
|                         |                      | 135 ... 255 | +1 to +100 Green   |
| 22                      | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100%         |
| 23                      | Hue                  | 000 ... 255 | 0 ... 360 Degrees  |
| 24                      | Saturation           | 000 ... 255 | 0 ... 100%         |
| <b>Control Channels</b> |                      |             |                    |
| 25                      | Fan Mode             | 000 ... 255 | See Fan Mode Table |

| Slot No | Slot Name       | DMX Value   | Output Value              |
|---------|-----------------|-------------|---------------------------|
| 26      | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 60: 16-bit – Grid Zone CCT and RGBW

| Slot No | Slot Name               |    | DMX Value          | Output Value     |
|---------|-------------------------|----|--------------------|------------------|
| ZONE 1  |                         |    |                    |                  |
| 1       | Master Level            | HI | 00000 ...          | 0 ... 100%       |
| 2       |                         | LO | 65535              |                  |
| 3       | CCT                     | HI | 00000 ...          | 2200 ... 15000K  |
| 4       |                         | LO | 65535              |                  |
| 5       | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral          |
|         |                         |    | 05001 ...<br>35267 | -100 to -1 Green |
|         |                         |    | 35268              | Neutral          |
| 6       |                         | LO | 35269 ...<br>65535 | +1 to +100 Green |
| 7       | CCT-Colour<br>Crossfade | HI | 00000 ...          | 0 ... 100%       |
| 8       |                         | LO | 65535              |                  |
| 9       | Red                     | HI | 00000 ...          | 0 ... 100%       |
| 10      |                         | LO | 65535              |                  |
| 11      | Green                   | HI | 00000 ...          | 0 ... 100%       |
| 12      |                         | LO | 65535              |                  |
| 13      | Blue                    | HI | 00000 ...          | 0 ... 100%       |
| 14      |                         | LO | 65535              |                  |
| 15      | White                   | HI | 00000 ...          | 0 ... 100%       |
| 16      |                         | LO | 65535              |                  |
| ZONE 2  |                         |    |                    |                  |
| 17      | Master Level            | HI | 00000 ...          | 0 ... 100%       |
| 18      |                         | LO | 65535              |                  |
| 19      | CCT                     | HI | 00000 ...          | 2200 ... 15000K  |
| 20      |                         | LO | 65535              |                  |
| 21      | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral          |
|         |                         |    | 05001 ...<br>35267 | -100 to -1 Green |
|         |                         |    | 35268              | Neutral          |
| 22      |                         | LO | 35269 ...<br>65535 | +1 to +100 Green |
| 23      | CCT-Colour<br>Crossfade | HI | 00000 ...          | 0 ... 100%       |
| 24      |                         | LO | 65535              |                  |
| 25      | Red                     | HI | 00000 ...          | 0 ... 100%       |
| 26      |                         | LO | 65535              |                  |
| 27      | Green                   | HI |                    | 0 ... 100%       |

| Slot No | Slot Name               |    | DMX Value          | Output Value     |
|---------|-------------------------|----|--------------------|------------------|
| 28      |                         | LO | 00000 ...<br>65535 |                  |
| 29      | Blue                    | HI | 00000 ...          | 0 ... 100%       |
| 30      |                         | LO | 65535              |                  |
| 31      | White                   | HI | 00000 ...          | 0 ... 100%       |
| 32      |                         | LO | 65535              |                  |
| ZONE 3  |                         |    |                    |                  |
| 33      | Master Level            | HI | 00000 ...          | 0 ... 100%       |
| 34      |                         | LO | 65535              |                  |
| 35      | CCT                     | HI | 00000 ...          | 2200 ... 15000K  |
| 36      |                         | LO | 65535              |                  |
| 37      | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral          |
|         |                         |    | 05001 ...<br>35267 | -100 to -1 Green |
|         |                         |    | 35268              | Neutral          |
| 38      |                         | LO | 35269 ...<br>65535 | +1 to +100 Green |
| 39      | CCT-Colour<br>Crossfade | HI | 00000 ...          | 0 ... 100%       |
| 40      |                         | LO | 65535              |                  |
| 41      | Red                     | HI | 00000 ...          | 0 ... 100%       |
| 42      |                         | LO | 65535              |                  |
| 43      | Green                   | HI | 00000 ...          | 0 ... 100%       |
| 44      |                         | LO | 65535              |                  |
| 45      | Blue                    | HI | 00000 ...          | 0 ... 100%       |
| 46      |                         | LO | 65535              |                  |
| 47      | White                   | HI | 00000 ...          | 0 ... 100%       |
| 48      |                         | LO | 65535              |                  |
| ZONE 4  |                         |    |                    |                  |
| 49      | Master Level            | HI | 00000 ...          | 0 ... 100%       |
| 50      |                         | LO | 65535              |                  |
| 51      | CCT                     | HI | 00000 ...          | 2200 ... 15000K  |
| 52      |                         | LO | 65535              |                  |
| 53      | Green/Magenta           | HI | 00000 ...<br>05000 | Neutral          |
|         |                         |    | 05001 ...<br>35267 | -100 to -1 Green |
|         |                         |    | 35268              | Neutral          |
| 54      |                         | LO | 35269 ...<br>65535 | +1 to +100 Green |
| 55      | CCT-Colour<br>Crossfade | HI | 00000 ...          | 0 ... 100%       |
| 56      |                         | LO | 65535              |                  |
| 57      | Red                     | HI | 00000 ...          | 0 ... 100%       |
| 58      |                         | LO | 65535              |                  |
| 59      | Green                   | HI |                    | 0 ... 100%       |

| Slot No          | Slot Name       |    | DMX Value       | Output Value              |
|------------------|-----------------|----|-----------------|---------------------------|
| 60               |                 | LO | 00000 ... 65535 |                           |
| 61               | Blue            | HI | 00000 ... 65535 | 0 ... 100%                |
| 62               |                 | LO | 65535           |                           |
| 63               | White           | HI | 00000 ... 65535 | 0 ... 100%                |
| 64               |                 | LO | 65535           |                           |
| Control Channels |                 |    |                 |                           |
| 65               | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 66               | Control Channel |    | 000 ... 255     | See Control Channel Table |

## Mode 61: 16-bit – Grid Zone Hue/Saturation

| Slot No          | Slot Name    |    | DMX Value       | Output Value      |
|------------------|--------------|----|-----------------|-------------------|
| ZONE 1           |              |    |                 |                   |
| 1                | Master Level | HI | 00000 ... 65535 | 0 ... 100%        |
| 2                |              | LO |                 |                   |
| 3                | Hue          | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 4                |              | LO |                 |                   |
| 5                | Saturation   | HI | 00000 ... 65535 | 0 ... 100%        |
| 6                |              | LO |                 |                   |
| ZONE 2           |              |    |                 |                   |
| 7                | Master Level | HI | 00000 ... 65535 | 0 ... 100%        |
| 8                |              | LO |                 |                   |
| 9                | Hue          | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 10               |              | LO |                 |                   |
| 11               | Saturation   | HI | 00000 ... 65535 | 0 ... 100%        |
| 12               |              | LO |                 |                   |
| ZONE 3           |              |    |                 |                   |
| 13               | Master Level | HI | 00000 ... 65535 | 0 ... 100%        |
| 14               |              | LO |                 |                   |
| 15               | Hue          | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 16               |              | LO |                 |                   |
| 17               | Saturation   | HI | 00000 ... 65535 | 0 ... 100%        |
| 18               |              | LO |                 |                   |
| ZONE 4           |              |    |                 |                   |
| 19               | Master Level | HI | 00000 ... 65535 | 0 ... 100%        |
| 20               |              | LO |                 |                   |
| 21               | Hue          | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 22               |              | LO |                 |                   |
| 23               | Saturation   | HI | 00000 ... 65535 | 0 ... 100%        |
| 24               |              | LO |                 |                   |
| Control Channels |              |    |                 |                   |

| Slot No | Slot Name       |  | DMX Value   | Output Value              |
|---------|-----------------|--|-------------|---------------------------|
| 25      | Fan Mode        |  | 000 ... 255 | See Fan Mode Table        |
| 26      | Control Channel |  | 000 ... 255 | See Control Channel Table |

## Mode 62: 16-bit – Grid Zone xy Coordinates

| Slot No          | Slot Name       |    | DMX Value       | Output Value              |
|------------------|-----------------|----|-----------------|---------------------------|
| ZONE 1           |                 |    |                 |                           |
| 1                | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 2                |                 | LO |                 |                           |
| 3                | x Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 4                |                 | LO |                 |                           |
| 5                | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 6                |                 | LO |                 |                           |
| ZONE 2           |                 |    |                 |                           |
| 7                | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 8                |                 | LO |                 |                           |
| 9                | x Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 10               |                 | LO |                 |                           |
| 11               | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 12               |                 | LO |                 |                           |
| ZONE 3           |                 |    |                 |                           |
| 13               | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 14               |                 | LO |                 |                           |
| 15               | x Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 16               |                 | LO |                 |                           |
| 17               | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 18               |                 | LO |                 |                           |
| ZONE 4           |                 |    |                 |                           |
| 19               | Master Level    | HI | 00000 ... 65535 | 0 ... 100%                |
| 20               |                 | LO |                 |                           |
| 21               | x Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8x                |
| 22               |                 | LO |                 |                           |
| 23               | y Coordinate    | HI | 00000 ... 65535 | 0 ... 0.8y                |
| 24               |                 | LO |                 |                           |
| Control Channels |                 |    |                 |                           |
| 25               | Fan Mode        |    | 000 ... 255     | See Fan Mode Table        |
| 26               | Control Channel |    | 000 ... 255     | See Control Channel Table |

## Mode 63: 16-bit – Grid Zone CCT Hue/Saturation

| Slot No | Slot Name            |    | DMX Value       | Output Value      |
|---------|----------------------|----|-----------------|-------------------|
| ZONE 1  |                      |    |                 |                   |
| 1       | Master Level         | HI | 00000 ... 65535 | 0 ... 100%        |
| 2       |                      | LO |                 |                   |
| 3       | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K   |
| 4       |                      | LO |                 |                   |
| 5       | Green/Magenta        | HI | 00000 ... 05000 | Neutral           |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green  |
|         |                      |    | 35268           | Neutral           |
| 6       |                      | LO | 35269 ... 65535 | +1 to +100 Green  |
| 7       | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%        |
| 8       |                      | LO |                 |                   |
| 9       | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 10      |                      | LO |                 |                   |
| 11      | Saturation           | HI | 00000 ... 65535 | 0 ... 100%        |
| 12      |                      | LO |                 |                   |
| ZONE 2  |                      |    |                 |                   |
| 13      | Master Level         | HI | 00000 ... 65535 | 0 ... 100%        |
| 14      |                      | LO |                 |                   |
| 15      | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K   |
| 16      |                      | LO |                 |                   |
| 17      | Green/Magenta        | HI | 00000 ... 05000 | Neutral           |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green  |
|         |                      |    | 35268           | Neutral           |
| 18      |                      | LO | 35269 ... 65535 | +1 to +100 Green  |
| 19      | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%        |
| 20      |                      | LO |                 |                   |
| 21      | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 22      |                      | LO |                 |                   |
| 23      | Saturation           | HI | 00000 ... 65535 | 0 ... 100%        |
| 24      |                      | LO |                 |                   |
| ZONE 3  |                      |    |                 |                   |
| 25      | Master Level         | HI | 00000 ... 65535 | 0 ... 100%        |
| 26      |                      | LO |                 |                   |
| 27      | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K   |
| 28      |                      | LO |                 |                   |
| 29      | Green/Magenta        | HI | 00000 ... 05000 | Neutral           |
|         |                      |    | 05001 ... 35267 | -100 to -1 Green  |
|         |                      |    | 35268           | Neutral           |

| Slot No          | Slot Name            |    | DMX Value       | Output Value              |
|------------------|----------------------|----|-----------------|---------------------------|
| 30               |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 31               | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 32               |                      | LO |                 |                           |
| 33               | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 34               |                      | LO |                 |                           |
| 35               | Saturation           | HI | 00000 ... 65535 | 0 ... 100%                |
| 36               |                      | LO |                 |                           |
| ZONE 4           |                      |    |                 |                           |
| 37               | Master Level         | HI | 00000 ... 65535 | 0 ... 100%                |
| 38               |                      | LO |                 |                           |
| 39               | CCT                  | HI | 00000 ... 65535 | 2200 ... 15000K           |
| 40               |                      | LO |                 |                           |
| 41               | Green/Magenta        | HI | 00000 ... 05000 | Neutral                   |
|                  |                      |    | 05001 ... 35267 | -100 to -1 Green          |
|                  |                      |    | 35268           | Neutral                   |
| 42               |                      | LO | 35269 ... 65535 | +1 to +100 Green          |
| 43               | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100%                |
| 44               |                      | LO |                 |                           |
| 45               | Hue                  | HI | 00000 ... 65535 | 0 ... 360 Degrees         |
| 46               |                      | LO |                 |                           |
| 47               | Saturation           | HI | 00000 ... 65535 | 0 ... 100%                |
| 48               |                      | LO |                 |                           |
| Control Channels |                      |    |                 |                           |
| 49               | Fan Mode             |    | 000 ... 255     | See Fan Mode Table        |
| 50               | Control Channel      |    | 000 ... 255     | See Control Channel Table |

## Mode 64: 8-bit – Multi-Zone RGBW Bare

| Slot No       | Slot Name | DMX Value   | Output Value |
|---------------|-----------|-------------|--------------|
| <b>ZONE 1</b> |           |             |              |
| 1             | Red       | 000 ... 255 | 0 ... 100%   |
| 2             | Green     | 000 ... 255 | 0 ... 100%   |
| 3             | Blue      | 000 ... 255 | 0 ... 100%   |
| 4             | White     | 000 ... 255 | 0 ... 100%   |
| <b>ZONE 2</b> |           |             |              |
| 5             | Red       | 000 ... 255 | 0 ... 100%   |
| 6             | Green     | 000 ... 255 | 0 ... 100%   |
| 7             | Blue      | 000 ... 255 | 0 ... 100%   |
| 8             | White     | 000 ... 255 | 0 ... 100%   |
| <b>ZONE 3</b> |           |             |              |

| Slot No                 | Slot Name | DMX Value   | Output Value |
|-------------------------|-----------|-------------|--------------|
| 9                       | Red       | 000 ... 255 | 0 ... 100%   |
| 10                      | Green     | 000 ... 255 | 0 ... 100%   |
| 11                      | Blue      | 000 ... 255 | 0 ... 100%   |
| 12                      | White     | 000 ... 255 | 0 ... 100%   |
| <b>ZONE 4</b>           |           |             |              |
| 13                      | Red       | 000 ... 255 | 0 ... 100%   |
| 14                      | Green     | 000 ... 255 | 0 ... 100%   |
| 15                      | Blue      | 000 ... 255 | 0 ... 100%   |
| 16                      | White     | 000 ... 255 | 0 ... 100%   |
| <b>ZONE 5 (V8 Only)</b> |           |             |              |
| 17                      | Red       | 000 ... 255 | 0 ... 100%   |
| 18                      | Green     | 000 ... 255 | 0 ... 100%   |
| 19                      | Blue      | 000 ... 255 | 0 ... 100%   |
| 20                      | White     | 000 ... 255 | 0 ... 100%   |
| <b>ZONE 6 (V8 Only)</b> |           |             |              |
| 21                      | Red       | 000 ... 255 | 0 ... 100%   |
| 22                      | Green     | 000 ... 255 | 0 ... 100%   |
| 23                      | Blue      | 000 ... 255 | 0 ... 100%   |
| 24                      | White     | 000 ... 255 | 0 ... 100%   |
| <b>ZONE 7 (V8 Only)</b> |           |             |              |
| 25                      | Red       | 000 ... 255 | 0 ... 100%   |
| 26                      | Green     | 000 ... 255 | 0 ... 100%   |
| 27                      | Blue      | 000 ... 255 | 0 ... 100%   |
| 28                      | White     | 000 ... 255 | 0 ... 100%   |
| <b>ZONE 8 (V8 Only)</b> |           |             |              |
| 29                      | Red       | 000 ... 255 | 0 ... 100%   |
| 30                      | Green     | 000 ... 255 | 0 ... 100%   |
| 31                      | Blue      | 000 ... 255 | 0 ... 100%   |
| 32                      | White     | 000 ... 255 | 0 ... 100%   |

## Mode 65: 8-bit – Multi-Zone RGBW and Master CCT

*Master CCT will adjust the white point while in Calibrated RGBW mode. If calibrated RGBW mode is not enabled this will not change the output*

| Slot No       | Slot Name | DMX Value   | Output Value |
|---------------|-----------|-------------|--------------|
| <b>ZONE 1</b> |           |             |              |
| 1             | Red       | 000 ... 255 | 0 ... 100%   |
| 2             | Green     | 000 ... 255 | 0 ... 100%   |
| 3             | Blue      | 000 ... 255 | 0 ... 100%   |
| 4             | White     | 000 ... 255 | 0 ... 100%   |
| <b>ZONE 2</b> |           |             |              |
| 5             | Red       | 000 ... 255 | 0 ... 100%   |

| Slot No                    | Slot Name       | DMX Value   | Output Value              |
|----------------------------|-----------------|-------------|---------------------------|
| 6                          | Green           | 000 ... 255 | 0 ... 100%                |
| 7                          | Blue            | 000 ... 255 | 0 ... 100%                |
| 8                          | White           | 000 ... 255 | 0 ... 100%                |
| ZONE 3                     |                 |             |                           |
| 9                          | Red             | 000 ... 255 | 0 ... 100%                |
| 10                         | Green           | 000 ... 255 | 0 ... 100%                |
| 11                         | Blue            | 000 ... 255 | 0 ... 100%                |
| 12                         | White           | 000 ... 255 | 0 ... 100%                |
| ZONE 4                     |                 |             |                           |
| 13                         | Red             | 000 ... 255 | 0 ... 100%                |
| 14                         | Green           | 000 ... 255 | 0 ... 100%                |
| 15                         | Blue            | 000 ... 255 | 0 ... 100%                |
| 16                         | White           | 000 ... 255 | 0 ... 100%                |
| MASTER CONTROLS (V4 Only)  |                 |             |                           |
| 17                         | Master Level    | 000 ... 255 | 0 ... 100%                |
| 18                         | CCT             | 000 ... 255 | 2200 ... 15000K           |
| 19                         | Green/Magenta   | 000 ... 010 | Neutral                   |
|                            |                 | 011 ... 133 | -100 to -1 Green          |
|                            |                 | 134         | Neutral                   |
|                            |                 | 135 ... 255 | +1 to +100 Green          |
| Control Channels (V4 Only) |                 |             |                           |
| 20                         | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 21                         | Control Channel | 000 ... 255 | See Control Channel Table |
| ZONE 5 (V8 Only)           |                 |             |                           |
| 17                         | Red             | 000 ... 255 | 0 ... 100%                |
| 18                         | Green           | 000 ... 255 | 0 ... 100%                |
| 19                         | Blue            | 000 ... 255 | 0 ... 100%                |
| 20                         | White           | 000 ... 255 | 0 ... 100%                |
| ZONE 6 (V8 Only)           |                 |             |                           |
| 21                         | Red             | 000 ... 255 | 0 ... 100%                |
| 22                         | Green           | 000 ... 255 | 0 ... 100%                |
| 23                         | Blue            | 000 ... 255 | 0 ... 100%                |
| 24                         | White           | 000 ... 255 | 0 ... 100%                |
| ZONE 7 (V8 Only)           |                 |             |                           |
| 25                         | Red             | 000 ... 255 | 0 ... 100%                |
| 26                         | Green           | 000 ... 255 | 0 ... 100%                |
| 27                         | Blue            | 000 ... 255 | 0 ... 100%                |
| 28                         | White           | 000 ... 255 | 0 ... 100%                |
| ZONE 8 (V8 Only)           |                 |             |                           |
| 29                         | Red             | 000 ... 255 | 0 ... 100%                |
| 30                         | Green           | 000 ... 255 | 0 ... 100%                |
| 31                         | Blue            | 000 ... 255 | 0 ... 100%                |

| Slot No                    | Slot Name       | DMX Value   | Output Value              |
|----------------------------|-----------------|-------------|---------------------------|
| 32                         | White           | 000 ... 255 | 0 ... 100%                |
| MASTER CONTROLS (V8 Only)  |                 |             |                           |
| 33                         | Master Level    | 000 ... 255 | 0 ... 100%                |
| 34                         | CCT             | 000 ... 255 | 2200 ... 15000K           |
| 35                         | Green/Magenta   | 000 ... 010 | Neutral                   |
|                            |                 | 011 ... 133 | -100 to -1 Green          |
|                            |                 | 134         | Neutral                   |
|                            |                 | 135 ... 255 | +1 to +100 Green          |
| Control Channels (V8 Only) |                 |             |                           |
| 36                         | Fan Mode        | 000 ... 255 | See Fan Mode Table        |
| 37                         | Control Channel | 000 ... 255 | See Control Channel Table |

## Mode 66: 16-bit – Multi-Zone RGBW Bare

| Slot No | Slot Name |    | DMX Value       | Output Value |
|---------|-----------|----|-----------------|--------------|
| ZONE 1  |           |    |                 |              |
| 1       | Red       | HI | 00000 ... 65535 | 0 ... 100%   |
| 2       |           | LO |                 |              |
| 3       | Green     | HI | 00000 ... 65535 | 0 ... 100%   |
| 4       |           | LO |                 |              |
| 5       | Blue      | HI | 00000 ... 65535 | 0 ... 100%   |
| 6       |           | LO |                 |              |
| 7       | White     | HI | 00000 ... 65535 | 0 ... 100%   |
| 8       |           | LO |                 |              |
| ZONE 2  |           |    |                 |              |
| 9       | Red       | HI | 00000 ... 65535 | 0 ... 100%   |
| 10      |           | LO |                 |              |
| 11      | Green     | HI | 00000 ... 65535 | 0 ... 100%   |
| 12      |           | LO |                 |              |
| 13      | Blue      | HI | 00000 ... 65535 | 0 ... 100%   |
| 14      |           | LO |                 |              |
| 15      | White     | HI | 00000 ... 65535 | 0 ... 100%   |
| 16      |           | LO |                 |              |
| ZONE 3  |           |    |                 |              |
| 17      | Red       | HI | 00000 ... 65535 | 0 ... 100%   |
| 18      |           | LO |                 |              |
| 19      | Green     | HI | 00000 ... 65535 | 0 ... 100%   |
| 20      |           | LO |                 |              |
| 21      | Blue      | HI | 00000 ... 65535 | 0 ... 100%   |
| 22      |           | LO |                 |              |
| 23      | White     | HI | 00000 ... 65535 | 0 ... 100%   |
| 24      |           | LO |                 |              |

| Slot No          | Slot Name |    | DMX Value | Output Value |
|------------------|-----------|----|-----------|--------------|
| ZONE 4           |           |    |           |              |
| 25               | Red       | HI | 00000 ... | 0 ... 100%   |
| 26               |           | LO | 65535     |              |
| 27               | Green     | HI | 00000 ... | 0 ... 100%   |
| 28               |           | LO | 65535     |              |
| 29               | Blue      | HI | 00000 ... | 0 ... 100%   |
| 30               |           | LO | 65535     |              |
| 31               | White     | HI | 00000 ... | 0 ... 100%   |
| 32               |           | LO | 65535     |              |
| ZONE 5 (V8 Only) |           |    |           |              |
| 33               | Red       | HI | 00000 ... | 0 ... 100%   |
| 34               |           | LO | 65535     |              |
| 35               | Green     | HI | 00000 ... | 0 ... 100%   |
| 36               |           | LO | 65535     |              |
| 37               | Blue      | HI | 00000 ... | 0 ... 100%   |
| 38               |           | LO | 65535     |              |
| 39               | White     | HI | 00000 ... | 0 ... 100%   |
| 40               |           | LO | 65535     |              |
| ZONE 6 (V8 Only) |           |    |           |              |
| 41               | Red       | HI | 00000 ... | 0 ... 100%   |
| 42               |           | LO | 65535     |              |
| 43               | Green     | HI | 00000 ... | 0 ... 100%   |
| 44               |           | LO | 65535     |              |
| 45               | Blue      | HI | 00000 ... | 0 ... 100%   |
| 46               |           | LO | 65535     |              |
| 47               | White     | HI | 00000 ... | 0 ... 100%   |
| 48               |           | LO | 65535     |              |
| ZONE 7 (V8 Only) |           |    |           |              |
| 49               | Red       | HI | 00000 ... | 0 ... 100%   |
| 50               |           | LO | 65535     |              |
| 51               | Green     | HI | 00000 ... | 0 ... 100%   |
| 52               |           | LO | 65535     |              |
| 53               | Blue      | HI | 00000 ... | 0 ... 100%   |
| 54               |           | LO | 65535     |              |
| 55               | White     | HI | 00000 ... | 0 ... 100%   |
| 56               |           | LO | 65535     |              |
| ZONE 8 (V8 Only) |           |    |           |              |
| 57               | Red       | HI | 00000 ... | 0 ... 100%   |
| 58               |           | LO | 65535     |              |
| 59               | Green     | HI | 00000 ... | 0 ... 100%   |
| 60               |           | LO | 65535     |              |
| 61               | Blue      | HI |           | 0 ... 100%   |

| Slot No | Slot Name |    | DMX Value          | Output Value |
|---------|-----------|----|--------------------|--------------|
| 62      |           | LO | 00000 ...<br>65535 |              |
| 63      | White     | HI | 00000 ...          | 0 ... 100%   |
| 64      |           | LO | 65535              |              |

## Mode 67: 16-bit – Multi-Zone RGBW and Master CCT

*Master CCT will adjust the white point while in Calibrated RGBW mode. If calibrated RGBW mode is not enabled this will not change the output*

| Slot No | Slot Name |    | DMX Value | Output Value |
|---------|-----------|----|-----------|--------------|
| ZONE 1  |           |    |           |              |
| 1       | Red       | HI | 00000 ... | 0 ... 100%   |
| 2       |           | LO | 65535     |              |
| 3       | Green     | HI | 00000 ... | 0 ... 100%   |
| 4       |           | LO | 65535     |              |
| 5       | Blue      | HI | 00000 ... | 0 ... 100%   |
| 6       |           | LO | 65535     |              |
| 7       | White     | HI | 00000 ... | 0 ... 100%   |
| 8       |           | LO | 65535     |              |
| ZONE 2  |           |    |           |              |
| 9       | Red       | HI | 00000 ... | 0 ... 100%   |
| 10      |           | LO | 65535     |              |
| 11      | Green     | HI | 00000 ... | 0 ... 100%   |
| 12      |           | LO | 65535     |              |
| 13      | Blue      | HI | 00000 ... | 0 ... 100%   |
| 14      |           | LO | 65535     |              |
| 15      | White     | HI | 00000 ... | 0 ... 100%   |
| 16      |           | LO | 65535     |              |
| ZONE 3  |           |    |           |              |
| 17      | Red       | HI | 00000 ... | 0 ... 100%   |
| 18      |           | LO | 65535     |              |
| 19      | Green     | HI | 00000 ... | 0 ... 100%   |
| 20      |           | LO | 65535     |              |
| 21      | Blue      | HI | 00000 ... | 0 ... 100%   |
| 22      |           | LO | 65535     |              |
| 23      | White     | HI | 00000 ... | 0 ... 100%   |
| 24      |           | LO | 65535     |              |
| ZONE 4  |           |    |           |              |
| 25      | Red       | HI | 00000 ... | 0 ... 100%   |
| 26      |           | LO | 65535     |              |
| 27      | Green     | HI | 00000 ... | 0 ... 100%   |
| 28      |           | LO | 65535     |              |

| Slot No                    | Slot Name       |    | DMX Value          | Output Value              |
|----------------------------|-----------------|----|--------------------|---------------------------|
| 29                         | Blue            | HI | 00000 ...          | 0 ... 100%                |
| 30                         |                 | LO | 65535              |                           |
| 31                         | White           | HI | 00000 ...          | 0 ... 100%                |
| 32                         |                 | LO | 65535              |                           |
| MASTER CONTROLS (V4 Only)  |                 |    |                    |                           |
| 33                         | Master Level    | HI | 00000 ...          | 0 ... 100%                |
| 34                         |                 | LO | 65535              |                           |
| 35                         | CCT             | HI | 00000 ...          | 2200 ... 15000K           |
| 36                         |                 | LO | 65535              |                           |
| 37                         | Green/Magenta   | HI | 00000 ...<br>05000 | Neutral                   |
|                            |                 |    | 05001 ...<br>35267 | -100 to -1 Green          |
|                            |                 |    | 35268              | Neutral                   |
| 38                         |                 | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| Control Channels (V4 Only) |                 |    |                    |                           |
| 39                         | Fan Mode        |    | 000 ...<br>255     | See Fan Mode Table        |
| 40                         | Control Channel |    | 000 ...<br>255     | See Control Channel Table |
| ZONE 5 (V8 Only)           |                 |    |                    |                           |
| 33                         | Red             | HI | 00000 ...          | 0 ... 100%                |
| 34                         |                 | LO | 65535              |                           |
| 35                         | Green           | HI | 00000 ...          | 0 ... 100%                |
| 36                         |                 | LO | 65535              |                           |
| 37                         | Blue            | HI | 00000 ...          | 0 ... 100%                |
| 38                         |                 | LO | 65535              |                           |
| 39                         | White           | HI | 00000 ...          | 0 ... 100%                |
| 40                         |                 | LO | 65535              |                           |
| ZONE 6 (V8 Only)           |                 |    |                    |                           |
| 41                         | Red             | HI | 00000 ...          | 0 ... 100%                |
| 42                         |                 | LO | 65535              |                           |
| 43                         | Green           | HI | 00000 ...          | 0 ... 100%                |
| 44                         |                 | LO | 65535              |                           |
| 45                         | Blue            | HI | 00000 ...          | 0 ... 100%                |
| 46                         |                 | LO | 65535              |                           |
| 47                         | White           | HI | 00000 ...          | 0 ... 100%                |
| 48                         |                 | LO | 65535              |                           |
| ZONE 7 (V8 Only)           |                 |    |                    |                           |
| 49                         | Red             | HI | 00000 ...          | 0 ... 100%                |
| 50                         |                 | LO | 65535              |                           |
| 51                         | Green           | HI |                    | 0 ... 100%                |

| Slot No                    | Slot Name       |    | DMX Value          | Output Value              |
|----------------------------|-----------------|----|--------------------|---------------------------|
| 52                         | Blue            | LO | 00000 ...<br>65535 | 0 ... 100%                |
| 53                         |                 | HI | 00000 ...          |                           |
| 54                         |                 | LO | 65535              |                           |
| 55                         | White           | HI | 00000 ...          | 0 ... 100%                |
| 56                         |                 | LO | 65535              |                           |
| ZONE 8 (V8 Only)           |                 |    |                    |                           |
| 57                         | Red             | HI | 00000 ...          | 0 ... 100%                |
| 58                         |                 | LO | 65535              |                           |
| 59                         | Green           | HI | 00000 ...          | 0 ... 100%                |
| 60                         |                 | LO | 65535              |                           |
| 61                         | Blue            | HI | 00000 ...          | 0 ... 100%                |
| 62                         |                 | LO | 65535              |                           |
| 63                         | White           | HI | 00000 ...          | 0 ... 100%                |
| 64                         |                 | LO | 65535              |                           |
| MASTER CONTROLS (V8 Only)  |                 |    |                    |                           |
| 65                         | Master Level    | HI | 00000 ...          | 0 ... 100%                |
| 66                         |                 | LO | 65535              |                           |
| 67                         | CCT             | HI | 00000 ...          | 2200 ... 15000K           |
| 68                         |                 | LO | 65535              |                           |
| 69                         | Green/Magenta   | HI | 00000 ...<br>05000 | Neutral                   |
|                            |                 |    | 05001 ...<br>35267 | -100 to -1 Green          |
|                            |                 |    | 35268              | Neutral                   |
| 70                         |                 | LO | 35269 ...<br>65535 | +1 to +100 Green          |
| Control Channels (V8 Only) |                 |    |                    |                           |
| 71                         | Fan Mode        |    | 000 ...<br>255     | See Fan Mode Table        |
| 72                         | Control Channel |    | 000 ...<br>255     | See Control Channel Table |

## Gel Tables for 8-bit and 16-bit modes

| Slot Name   | DMX Value   | Gel Library Name        |
|-------------|-------------|-------------------------|
| Gel Library | 000 ... 009 | LEE Color Filters       |
|             | 010 ... 019 | LEE Cosmetic            |
|             | 020 ... 029 | LEE 600 Series          |
|             | 030 ... 039 | LEE 700 Series          |
|             | 040 ... 049 | LEE Color Correction    |
|             | 050 ... 059 | Rosco Cinelux           |
|             | 060 ... 069 | Rosco CalColor          |
|             | 070 ... 079 | Rosco Storaro Selection |
|             | 080 ... 089 | Rosco Color Correction  |
|             | 090 ... 255 | RESERVED                |

### LEE Color Filter (Gel Library DMX Value 0-9)

| Slot Name  | DMX Value | Gel Number | Gel Name             |
|------------|-----------|------------|----------------------|
| Gel Swatch | 0 ... 1   | 2          | Rose Pink            |
|            | 2 ... 3   | 3          | Lavender Tint        |
|            | 4 ... 5   | 4          | Medium Bastard Amber |
|            | 6 ... 7   | 7          | Pale Yellow          |
|            | 8 ... 9   | 8          | Dark Salmon          |
|            | 10 ... 11 | 9          | Pale Amber Gold      |
|            | 12 ... 13 | 10         | Medium Yellow        |
|            | 14 ... 15 | 13         | Straw Tint           |
|            | 16 ... 17 | 17         | Surprise Peach       |
|            | 18 ... 19 | 19         | Fire                 |
|            | 20 ... 21 | 20         | Medium Amber         |
|            | 22 ... 23 | 21         | Gold Amber           |
|            | 24 ... 25 | 22         | Dark Amber           |
|            | 26 ... 27 | 24         | Scarlet              |
|            | 28 ... 29 | 25         | Sunset Red           |
|            | 30 ... 31 | 26         | Bright Red           |
|            | 32 ... 33 | 35         | Light Pink           |
|            | 34 ... 35 | 36         | Medium Pink          |
|            | 36 ... 37 | 46         | Dark Magenta         |
|            | 38 ... 39 | 48         | Rose Purple          |
|            | 40 ... 41 | 52         | Light Lavender       |
|            | 42 ... 43 | 53         | Paler Lavender       |
|            | 44 ... 45 | 58         | Lavender             |
|            | 46 ... 47 | 61         | Mist Blue            |
|            | 48 ... 49 | 63         | Pale Blue            |
|            | 50 ... 51 | 68         | Sky Blue             |
|            | 52 ... 53 | 75         | Evening Blue         |
|            | 54 ... 55 | 79         | Just Blue            |
|            | 56 ... 57 | 85         | Deeper Blue          |

| Slot Name | DMX Value   | Gel Number | Gel Name          |
|-----------|-------------|------------|-------------------|
|           | 58 ... 59   | 88         | Lime Green        |
|           | 60 ... 61   | 89         | Moss Green        |
|           | 62 ... 63   | 90         | Dark Yellow Green |
|           | 64 ... 65   | 100        | Spring Yellow     |
|           | 66 ... 67   | 101        | Yellow            |
|           | 68 ... 69   | 102        | Light Amber       |
|           | 70 ... 71   | 103        | Straw             |
|           | 72 ... 73   | 104        | Deep Amber        |
|           | 74 ... 75   | 106        | Primary Red       |
|           | 76 ... 77   | 107        | Light Rose        |
|           | 78 ... 79   | 108        | English Rose      |
|           | 80 ... 81   | 109        | Light Salmon      |
|           | 82 ... 83   | 110        | Middle Rose       |
|           | 84 ... 85   | 111        | Dark Pink         |
|           | 86 ... 87   | 113        | Magenta           |
|           | 88 ... 89   | 115        | Peacock Blue      |
|           | 90 ... 91   | 117        | Steel Blue        |
|           | 92 ... 93   | 118        | Light Blue        |
|           | 94 ... 95   | 120        | Deep Blue         |
|           | 96 ... 97   | 121        | LEE Green         |
|           | 98 ... 99   | 122        | Fern Green        |
|           | 100 ... 101 | 124        | Dark Green        |
|           | 102 ... 103 | 127        | Smokey Pink       |
|           | 104 ... 105 | 128        | Bright Pink       |
|           | 106 ... 107 | 131        | Marine Blue       |
|           | 108 ... 109 | 134        | Golden Amber      |
|           | 110 ... 111 | 135        | Deep Golden Amber |
|           | 112 ... 113 | 136        | Pale Lavender     |
|           | 114 ... 115 | 137        | Special Lavender  |
|           | 116 ... 117 | 138        | Pale Green        |
|           | 118 ... 119 | 140        | Summer Blue       |
|           | 120 ... 121 | 142        | Pale Violet       |
|           | 122 ... 123 | 143        | Pale Navy Blue    |
|           | 124 ... 125 | 144        | No Color Blue     |
|           | 126 ... 127 | 147        | Apricot           |
|           | 128 ... 129 | 148        | Bright Rose       |
|           | 130 ... 131 | 151        | Gold Tint         |
|           | 132 ... 133 | 152        | Pale Gold         |
|           | 134 ... 135 | 153        | Pale Salmon       |
|           | 136 ... 137 | 154        | Pale Rose         |
|           | 138 ... 139 | 156        | Chocolate         |
|           | 140 ... 141 | 157        | Pink              |
|           | 142 ... 143 | 159        | No Color Straw    |
|           | 144 ... 145 | 161        | Slate Blue        |

| Slot Name | DMX Value   | Gel Number | Gel Name        |
|-----------|-------------|------------|-----------------|
|           | 146 ... 147 | 162        | Bastard Amber   |
|           | 148 ... 149 | 164        | Flame Red       |
|           | 150 ... 151 | 165        | Daylight Blue   |
|           | 152 ... 153 | 169        | Lilac Tint      |
|           | 154 ... 155 | 170        | Deep Lavender   |
|           | 156 ... 157 | 174        | Dark Steel Blue |
|           | 158 ... 159 | 176        | Loving Amber    |
|           | 160 ... 161 | 180        | Dark Lavender   |
|           | 162 ... 163 | 182        | Light Red       |
|           | 164 ... 165 | 192        | Flesh Pink      |
|           | 166 ... 167 | 194        | Surprise Pink   |
|           | 168 ... 169 | 195        | Zenith Blue     |
|           | 170 ... 171 | 196        | TRUE Blue       |
|           | 172 ... 173 | 197        | Alice Blue      |
|           | 174 ... 175 | 198        | Palace Blue     |
|           | 176 ... 177 | 199        | Regal Blue      |
|           | 178 ... 255 |            | RESERVED        |

#### LEE Cosmetic (Gel Library DMX Value 10-19)

| Slot Name | DMX Value  | Gel Number | Gel Name              |
|-----------|------------|------------|-----------------------|
|           | 0 ... 1    | 184        | Cosmetic Peach        |
|           | 2 ... 3    | 186        | Cosmetic Silver Rose  |
|           | 4 ... 5    | 187        | Cosmetic Rouge        |
|           | 6 ... 7    | 188        | Cosmetic Highlight    |
|           | 8 ... 9    | 189        | Cosmetic Silver Moss  |
|           | 10 ... 11  | 191        | Cosmetic Aqua Blue    |
|           | 12 ... 13  | 705        | Lily Frost            |
|           | 14 ... 15  | 717        | Shanklin Frost        |
|           | 16 ... 17  | 718        | Half Shanklin Frost   |
|           | 18 ... 19  | 720        | Durham Daylight Frost |
|           | 20 ... 21  | 749        | Hampshire Rose        |
|           | 22 ... 23  | 750        | Durham Frost          |
|           | 24 ... 25  | 774        | Soft Amber Key 1      |
|           | 26 ... 27  | 775        | Soft Amber Key 2      |
|           | 28 ... 29  | 791        | Moroccan Frost        |
|           | 30 ... 31  | 217        | Blue Diffusion        |
|           | 32 ... 33  | 221        | Blue Frost            |
|           | 34 ... 35  | 224        | Daylight Blue Frost   |
|           | 36 ... 255 |            | RESERVED              |

#### LEE 600 Series (Gel Library DMX Value 20-29)

| Slot Name | DMX Value | Gel Number | Gel Name     |
|-----------|-----------|------------|--------------|
|           | 0 ... 1   | 600        | Arctic White |
|           | 2 ... 3   | 601        | Silver       |

| Slot Name | DMX Value | Gel Number | Gel Name        |
|-----------|-----------|------------|-----------------|
|           | 4 ... 5   | 602        | Platinum        |
|           | 6 ... 7   | 603        | Moonlight White |
|           | 8 ... 9   | 604        | Full CT 85      |
|           | 10 ... 11 | 650        | Industry Sodium |
|           | 12 ... 13 | 651        | HI Sodium       |
|           | 14 ... 15 | 652        | Urban Sodium    |
|           | 16 ... 17 | 653        | LO Sodium       |
|           | 18 .. 255 |            | RESERVED        |

#### LEE 700 (Gel Library DMX Value 30-39)

| Slot Name  | DMX Value | Gel Number | Gel Name              |
|------------|-----------|------------|-----------------------|
| Gel Swatch | 0 ... 1   | 700        | Perfect Lavender      |
|            | 2 ... 3   | 701        | Provence              |
|            | 4 ... 5   | 702        | Special Pale Lavender |
|            | 6 ... 7   | 703        | Cold Lavender         |
|            | 8 ... 9   | 704        | Lily                  |
|            | 10 ... 11 | 706        | King Fals Lavender    |
|            | 12 ... 13 | 708        | Cool Lavender         |
|            | 14 ... 15 | 709        | Electric Lilac        |
|            | 16 ... 17 | 710        | Spir Special Blue     |
|            | 18 ... 19 | 711        | Cold Blue             |
|            | 20 ... 21 | 712        | Bedford Blue          |
|            | 22 ... 23 | 714        | Elysian Blue          |
|            | 24 ... 25 | 715        | Cabana Blue           |
|            | 26 ... 27 | 716        | Mikkel Blue           |
|            | 28 ... 29 | 719        | Colour Wash Blue      |
|            | 30 ... 31 | 721        | Berry Blue            |
|            | 32 ... 33 | 723        | Virgin Blue           |
|            | 34 ... 35 | 724        | Ocean Blue            |
|            | 36 ... 37 | 725        | Old Steel Blue        |
|            | 38 ... 39 | 728        | Steel Green           |
|            | 40 ... 41 | 730        | Liberty Green         |
|            | 42 ... 43 | 731        | Dirty Ice             |
|            | 44 ... 45 | 733        | Damp Squib            |
|            | 46 ... 47 | 738        | JAS Green             |
|            | 48 ... 49 | 742        | Bram Brown            |
|            | 50 ... 51 | 744        | Dirty White           |
|            | 52 ... 53 | 746        | Brown                 |
|            | 54 ... 55 | 747        | Easy White            |
|            | 56 ... 57 | 748        | Seedy Pink            |
|            | 58 ... 59 | 763        | Wheat                 |
|            | 60 ... 61 | 764        | Sun Colour Straw      |
|            | 62 ... 63 | 765        | LEE Yellow            |
|            | 64 ... 65 | 773        | Cardbox Amber         |

| Slot Name | DMX Value  | Gel Number | Gel Name        |
|-----------|------------|------------|-----------------|
|           | 66 ... 67  | 776        | Nectarine       |
|           | 68 ... 69  | 778        | Millennium Gold |
|           | 70 ... 71  | 779        | Bastard Pink    |
|           | 72 ... 73  | 781        | Terry Red       |
|           | 74 ... 75  | 789        | Blood Red       |
|           | 76 ... 77  | 790        | Moroccan Pink   |
|           | 78 ... 79  | 794        | Pretty 'n Pink  |
|           | 80 ... 81  | 795        | Magical Magenta |
|           | 82 ... 255 |            | RESERVED        |

#### LEE Color Correction (Gel Library DMX Value 40-49)

| Slot Name  | DMX Value | Gel Number | Gel Name                 |
|------------|-----------|------------|--------------------------|
| Gel Swatch | 0 ... 1   | 200        | Double CTB               |
|            | 2 ... 3   | 201        | Full CTB                 |
|            | 4 ... 5   | 281        | 3/4 CTB                  |
|            | 6 ... 7   | 202        | 1/2 CTB                  |
|            | 8 ... 9   | 203        | 1/4 CTB                  |
|            | 10 ... 11 | 218        | 1/8 CTB                  |
|            | 12 ... 13 | 287        | Double CTO               |
|            | 14 ... 15 | 204        | Full CTO                 |
|            | 16 ... 17 | 285        | 3/4 CTO                  |
|            | 18 ... 19 | 205        | 1/2 CTO                  |
|            | 20 ... 21 | 206        | 1/4 CTO                  |
|            | 22 ... 23 | 223        | 1/8 CTO                  |
|            | 24 ... 25 | 283        | 1 1/2 CTB                |
|            | 26 ... 27 | 286        | 1 1/2 CTO                |
|            | 28 ... 29 | 441        | Full CTS                 |
|            | 30 ... 31 | 442        | 1/2 CTS                  |
|            | 32 ... 33 | 443        | 1/4 CTS                  |
|            | 34 ... 35 | 444        | 1/8 CTS                  |
|            | 36 ... 37 | 207        | Full CTO + 0.3 ND        |
|            | 38 ... 39 | 208        | Full CTO + 0.6 ND        |
|            | 40 ... 41 | 212        | L.C.T. Yellow (Y1)       |
|            | 42 ... 43 | 213        | White Flame Green        |
|            | 44 ... 45 | 219        | LEE Fluoro Green         |
|            | 46 ... 47 | 230        | Super Correct LCT Yellow |
|            | 48 ... 49 | 232        | Super Correct WF Green   |
|            | 50 ... 51 | 236        | H.M.I. (to Tungsten)     |
|            | 52 ... 53 | 237        | C.I.D. (to Tungsten)     |
|            | 54 ... 55 | 238        | C.S.I. (to Tungsten)     |
|            | 56 ... 57 | 241        | LEE Fluoro 5700K         |
|            | 58 ... 59 | 242        | LEE Fluoro 4300K         |
|            | 60 ... 61 | 243        | LEE Fluoro 3600K         |
|            | 62 ... 63 | 244        | LEE Plus Green           |

| Slot Name | DMX Value  | Gel Number | Gel Name        |
|-----------|------------|------------|-----------------|
|           | 64 ... 65  | 245        | 1/2 Plus Green  |
|           | 66 ... 67  | 246        | 1/4 Plus Green  |
|           | 68 ... 69  | 278        | 1/8 Plus Green  |
|           | 70 ... 71  | 247        | LEE Minus Green |
|           | 72 ... 73  | 248        | 1/2 Minus Green |
|           | 74 ... 75  | 249        | 1/4 Minus Green |
|           | 76 ... 77  | 279        | 1/8 Minus Green |
|           | 78 ... 255 |            | RESERVED        |

### Rosco Cinelux (Gel Library DMX Value 50-59)

| Slot Name  | DMX Value | Gel Number | Gel Name           |
|------------|-----------|------------|--------------------|
| Gel Swatch | 0 ... 1   | 2          | Bastard Amber      |
|            | 2 ... 3   | 302        | Pale Bastard Amber |
|            | 4 ... 5   | 6          | No Color Straw     |
|            | 6 ... 7   | 8          | Pale Gold          |
|            | 8 ... 9   | 310        | Daffodil           |
|            | 10 ... 11 | 12         | Straw              |
|            | 12 ... 13 | 16         | Light Amber        |
|            | 14 ... 15 | 316        | Gallo Gold         |
|            | 16 ... 17 | 17         | Light Flame        |
|            | 18 ... 19 | 18         | Flame              |
|            | 20 ... 21 | 318        | Mayan Sun          |
|            | 22 ... 23 | 21         | Golden Amber       |
|            | 24 ... 25 | 321        | Soft Golden Amber  |
|            | 26 ... 27 | 23         | Orange             |
|            | 28 ... 29 | 325        | Henna Sky          |
|            | 30 ... 31 | 26         | Light Red          |
|            | 32 ... 33 | 33         | No Colour Pink     |
|            | 34 ... 35 | 333        | Blush Pink         |
|            | 36 ... 37 | 34         | Flesh Pink         |
|            | 38 ... 39 | 37         | Pale Rose Pink     |
|            | 40 ... 41 | 41         | Salmon             |
|            | 42 ... 43 | 42         | Deep Salmon        |
|            | 44 ... 45 | 44         | Middle Rose        |
|            | 46 ... 47 | 47         | Light Rose Purple  |
|            | 48 ... 49 | 51         | Surprise Pink      |
|            | 50 ... 51 | 60         | No Color Blue      |
|            | 52 ... 53 | 360        | Clearwater         |
|            | 54 ... 55 | 62         | Booster Blue       |
|            | 56 ... 57 | 362        | Tipton Blue        |
|            | 58 ... 59 | 364        | Blue Bell          |
|            | 60 ... 61 | 65         | Daylight Blue      |
|            | 62 ... 63 | 365        | Tharon Delft Blue  |
|            | 64 ... 65 | 375        | Cerulean Blue      |

| Slot Name | DMX Value  | Gel Number | Gel Name          |
|-----------|------------|------------|-------------------|
|           | 66 ... 67  | 376        | Bermuda Blue      |
|           | 68 ... 69  | 77         | Green Blue        |
|           | 70 ... 71  | 378        | Alice Blue        |
|           | 72 ... 73  | 80         | Primary Blue      |
|           | 74 ... 75  | 381        | Baldassari Blue   |
|           | 76 ... 77  | 83         | Medium Blue       |
|           | 78 ... 79  | 87         | Pale Yellow Green |
|           | 80 ... 81  | 88         | Light Green       |
|           | 82 ... 83  | 89         | Moss Green        |
|           | 84 ... 85  | 91         | Primary Green     |
|           | 86 ... 87  | 92         | Turquoise         |
|           | 88 ... 89  | 93         | Blue Green        |
|           | 90 ... 91  | 99         | Chocolate         |
|           | 92 ... 255 |            | RESERVED          |

#### Rosco CalColor (Gel Library DMX Value 60-69)

| Slot Name  | DMX Value | Gel Number | Gel Name   |
|------------|-----------|------------|------------|
| Gel Swatch | 0 ... 1   | 4215       | 15 Blue    |
|            | 2 ... 3   | 4230       | 30 Blue    |
|            | 4 ... 5   | 4260       | 60 Blue    |
|            | 6 ... 7   | 4290       | 90 Blue    |
|            | 8 ... 9   | 4307       | 7 Cyan     |
|            | 10 ... 11 | 4315       | 15 Cyan    |
|            | 12 ... 13 | 4330       | 30 Cyan    |
|            | 14 ... 15 | 4360       | 60 Cyan    |
|            | 16 ... 17 | 4390       | 90 Cyan    |
|            | 18 ... 19 | 4415       | 15 Green   |
|            | 20 ... 21 | 4430       | 30 Green   |
|            | 22 ... 23 | 4460       | 60 Green   |
|            | 24 ... 25 | 4490       | 90 Green   |
|            | 26 ... 27 | 4515       | 15 Yellow  |
|            | 28 ... 29 | 4530       | 30 Yellow  |
|            | 30 ... 31 | 4560       | 60 Yellow  |
|            | 32 ... 33 | 4590       | 90 Yellow  |
|            | 34 ... 35 | 4615       | 15 Red     |
|            | 36 ... 37 | 4630       | 30 Red     |
|            | 38 ... 39 | 4660       | 60 Red     |
|            | 40 ... 41 | 4690       | 90 Red     |
|            | 42 ... 43 | 4715       | 15 Magenta |
|            | 44 ... 45 | 4730       | 30 Magenta |
|            | 46 ... 47 | 4760       | 60 Magenta |
|            | 48 ... 49 | 4790       | 90 Magenta |
|            | 50 ... 51 | 4815       | 15 Pink    |
|            | 52 ... 53 | 4830       | 30 Pink    |

| Slot Name | DMX Value  | Gel Number | Gel Name    |
|-----------|------------|------------|-------------|
|           | 54 ... 55  | 4860       | 60 Pink     |
|           | 56 ... 57  | 4890       | 90 Pink     |
|           | 58 ... 59  | 4915       | 15 Lavender |
|           | 60 ... 61  | 4930       | 30 Lavender |
|           | 62 ... 63  | 4960       | 60 Lavender |
|           | 64 ... 65  | 4990       | 90 Lavender |
|           | 66 ... 255 |            | RESERVED    |

#### Rosco Storaro (Gel Library DMX Value 70-79)

| Slot Name  | DMX Value  | Gel Number | Gel Name   |
|------------|------------|------------|------------|
| Gel Swatch | 0 ... 1    | 2001       | VS Red     |
|            | 2 ... 3    | 2002       | VS Orange  |
|            | 4 ... 5    | 2003       | VS Yellow  |
|            | 6 ... 7    | 2004       | VS Green   |
|            | 8 ... 9    | 2005       | VS Cyan    |
|            | 10 ... 11  | 2006       | VS Azure   |
|            | 12 ... 13  | 2007       | VS Blue    |
|            | 14 ... 15  | 2008       | VS Indigo  |
|            | 16 ... 17  | 2009       | VS Violet  |
|            | 18 ... 19  | 2010       | VS Magenta |
|            | 20 ... 255 |            | RESERVED   |

#### Rosco Color Correction (Gel Library DMX Value 80-89)

| Slot Name  | DMX Value | Gel Number | Gel Name       |
|------------|-----------|------------|----------------|
| Gel Swatch | 0 ... 1   | 3202       | Full CTB       |
|            | 2 ... 3   | 3203       | 3/4 CTB        |
|            | 4 ... 5   | 3204       | 1/2 CTB        |
|            | 6 ... 7   | 3206       | 1/3 CTB        |
|            | 8 ... 9   | 3208       | 1/4 CTB        |
|            | 10 ... 11 | 3216       | 1/8 CTB        |
|            | 12 ... 13 | 3220       | Double CTB     |
|            | 14 ... 15 | 3407       | Full CTO       |
|            | 16 ... 17 | 3411       | 3/4 CTO        |
|            | 18 ... 19 | 3408       | 1/2 CTO        |
|            | 20 ... 21 | 3409       | 1/4 CTO        |
|            | 22 ... 23 | 3410       | 1/8 CTO        |
|            | 24 ... 25 | 3420       | Double CTO     |
|            | 26 ... 27 | 3441       | Full CTS       |
|            | 28 ... 29 | 3442       | 1/2 CTS        |
|            | 30 ... 31 | 3443       | 1/4 CTS        |
|            | 32 ... 33 | 3444       | 1/8 CTS        |
|            | 34 ... 35 | 3304       | Full Plusgreen |
|            | 36 ... 37 | 3315       | 1/2 Plusgreen  |
|            | 38 ... 39 | 3316       | 1/4 Plusgreen  |

| Slot Name | DMX Value  | Gel Number | Gel Name         |
|-----------|------------|------------|------------------|
|           | 40 ... 41  | 3317       | 1/8 Plusgreen    |
|           | 42 ... 43  | 3308       | Full Minusgreen  |
|           | 44 ... 45  | 3309       | 3/4 Minusgreen   |
|           | 46 ... 47  | 3313       | 1/2 Minusgreen   |
|           | 48 ... 49  | 3314       | 1/4 Minusgreen   |
|           | 50 ... 51  | 3318       | 1/8 Minusgreen   |
|           | 52 ... 53  | 3310       | Fluoro Filter    |
|           | 54 ... 55  | 3150       | Industrial Vapor |
|           | 56 ... 57  | 3152       | Urban Vapor      |
|           | 58 ... 59  | 3107       | Tough Y-1        |
|           | 60 ... 61  | 3134       | Tough MT54       |
|           | 62 ... 63  | 3106       | Tough MTY        |
|           | 64 ... 65  | 3102       | Tough MT2        |
|           | 66 ... 255 |            | RESERVED         |

## CCT to DMX Conversion

### 8-bit

$$DMX_{CCT} = \frac{CCT - 2200}{50.196}$$

$$CCT = (DMX_{CCT} \times 50.196) + 2200$$

### 16-bit

$$DMX_{CCT} = \frac{CCT - 2200}{0.195315}$$

$$CCT = (DMX_{CCT} \times 0.195315) + 2200$$

## x, y Coordinate to DMX Conversion

### 8-bit

$$DMX_x = \frac{x_{coordinate} \times 255}{0.8}$$

$$DMX_y = \frac{y_{coordinate} \times 255}{0.8}$$

### 16-bit

$$DMX_x = \frac{x_{coordinate} \times 65535}{0.8}$$

$$DMX_y = \frac{y_{coordinate} \times 65535}{0.8}$$