



DMX Implementation Tables

Firmware 1.1.2 or later



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DMX IMPLEMENTATION TABLES

The Creamsource Vortex offers a number of different DMX implementation modes, in both 8 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:

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.

Loss of DMX

If 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.

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Fan Modes

| DMX Value | Fan Mode | Description |
|-------------|----------|---|
| 000 ... 009 | Auto | Fans run variable speed, temperature controlled |
| 010 ... 049 | Quiet | Fans will run constantly at low speed |
| 050 ... 099 | Medium | Fans will run constantly at medium speed |
| 100 ... 149 | High | Fans will run constantly at high speed |
| 150 ... 249 | RESERVED | Reserved for future use |
| 250 ... 255 | 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 |

Mode 1: 8 Bits - 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 2: 8 Bits - 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 3: 8 Bits - 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 4: 8 Bits - 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 5: 8 Bits - 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 6: 16 Bits - 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 | 00000 ... 65535 | 0 ... 100% |
| 16 | | LO | | |
| 17 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| 18 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 7: 16 Bits - CCT

| 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 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| 8 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 8: 16 Bits - CCT and Hue/Saturation

| 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 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 10 | | LO | | |
| 11 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 12 | | LO | | |
| 13 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| 14 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 9: 16 Bits - RGBW

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

Mode 10: 16 Bits - Hue/Saturation

| Slot No | Slot Name | | DMX Value | Output Value |
|---------|--------------|----|-----------------|-------------------------|
| 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 | | |
| 7 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| 8 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 11: 8 Bits - 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 12: 8 Bits - 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 13: 16 Bits – xy Coordinates

| Slot No | Slot Name | | DMX Value | Output Value |
|---------|--------------|----|-----------------|-------------------------|
| 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 | | |
| 7 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| 8 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 14: 16 Bits – CCT and xy Coordinates

| 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 | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x |
| 10 | | LO | | |
| 11 | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y |
| 12 | | LO | | |
| 13 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| 14 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 15: 8 Bits - 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 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 16: 8 Bits - 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% |
| 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 17: 8 Bits - 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 18: 16 Bits – 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 |
| | | | 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 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 19: 16 Bits – 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 |
| 17 | Effects Channel 1 | | 000 ... 255 | |
| 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 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 20: 16 Bits – 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 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 21: 8 Bits - 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 |
| | | 128 ... 255 | 5600K Source |
| 5 | Fan Mode | 000 ... 255 | See Fan Mode Table |
| 6 | Reserved | 000 ... 255 | Reserved for future use |

Mode 22: 8 Bits – 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 | See Fan Mode Table |
| 9 | Reserved | 000 ... 255 | Reserved for future use |

Mode 23: 8 Bits – 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 |
| 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 24: 16 Bits - Gels

| Slot No | Slot Name | DMX Value | Output Value |
|---------|--------------|-------------|-------------------------|
| 1 | Master Level | HI | 0 ... 100% |
| 2 | | LO | |
| 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 25: 16 Bits – CCT and Gels

| 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 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| 13 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 26: 16 Bits – CCT and Gels 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 | 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 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 27: 8 Bits – 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 |
| 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 | Reserved | 000 ... 255 | Reserved for future use |

Mode 28: 8 Bits – CCT and Gels with Colour Bump

| Note: Colour Bump is only applied the GEL channel | | | |
|---|----------------------|-------------|-------------------------|
| 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 |
| 13 | Reserved | 000 ... 255 | Reserved for future use |

Mode 29: 16 Bits – Gels with Colour Bump

| Slot No | Slot Name | | DMX Value | Output Value |
|---------|------------------------|----|-----------------|-------------------------|
| 1 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 2 | | LO | | |
| 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 |
| 8 | Bump Red/Cyan | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | 100% to 0% Cyan |
| | | | 35268 | Neutral |
| 9 | | LO | 35269 ... 65535 | 0% to 100% Red |
| 10 | Bump Green/ Magenta | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | 100% to 0% Magenta |
| | | | 35268 | Neutral |
| 11 | | LO | 35269 ... 65535 | 0% to 100% Green |
| 12 | Bump Blue/Yellow | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | 100% to 0% Yellow |
| | | | 35268 | Neutral |
| 13 | | LO | 35269 ... 65535 | 0% to 100% Blue |
| 14 | Bump Saturation | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | -100% to 0% Saturation |
| | | | 35268 | Neutral |
| 15 | | LO | 35269 ... 65535 | 0% to 100% Saturation |
| 16 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| 17 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 30: 16 Bits – CCT and Gels with Colour Bump

Note: Colour Bump is only applied the GEL channel

| 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 |
| 6 | | | 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 |
| 13 | | | 05001 ... 35267 | 100% to 0% Cyan |
| | | | 35268 | Neutral |
| 13 | LO | 35269 ... 65535 | 0% to 100% Red | |
| 14 | Bump Green/Magenta | HI | 00000 ... 05000 | Neutral |
| 15 | | | 05001 ... 35267 | 100% to 0% Magenta |
| | | | 35268 | Neutral |
| 15 | LO | 35269 ... 65535 | 0% to 100% Green | |
| 16 | Bump Blue/Yellow | HI | 00000 ... 05000 | Neutral |
| 17 | | | 05001 ... 35267 | 100% to 0% Yellow |
| | | | 35268 | Neutral |
| 17 | LO | 35269 ... 65535 | 0% to 100% Blue | |
| 18 | Bump Saturation | HI | 00000 ... 05000 | Neutral |
| 19 | | | 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 | Reserved | | 000 ... 255 | Reserved for future use |

Mode 31: FLEX MODE

Note: Number of slots used is dependent on Mode selected using slot 1. To enable all possible Modes to be selected, 130 slots should be reserved.

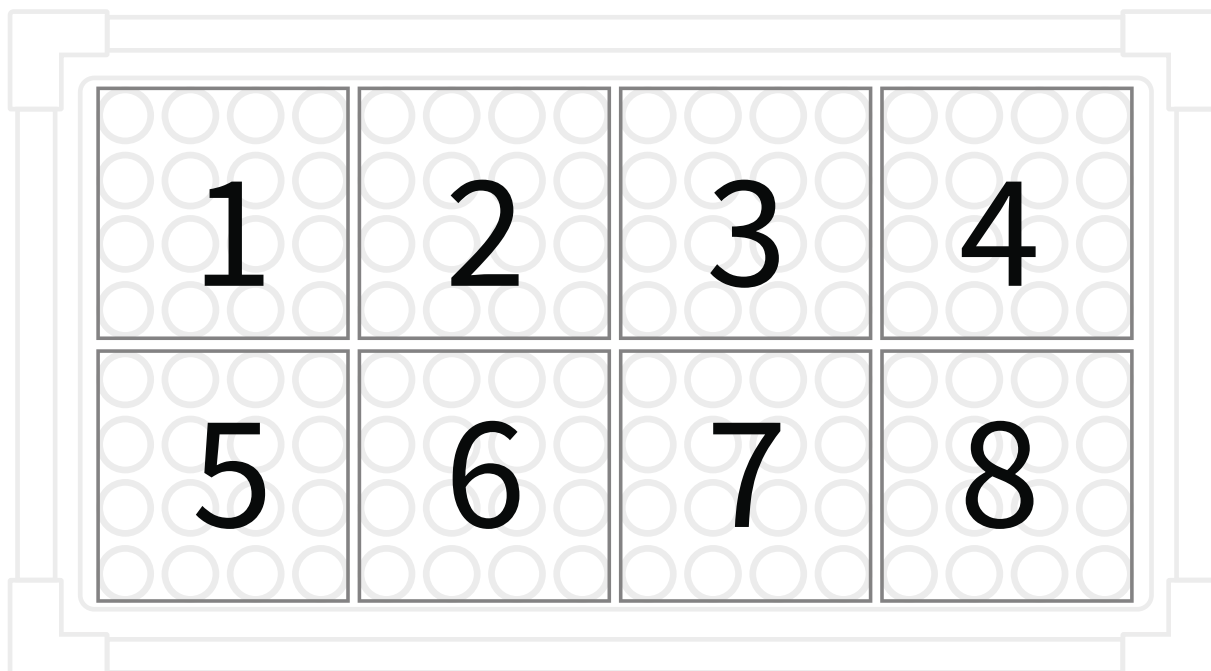
| Slot No | Slot Name | DMX Value | Output Value |
|---------|-------------|-------------|--|
| 1 | Mode Select | 000 ... 004 | Mode 1: 8 Bit, CCT and RGBW |
| | | 005 ... 009 | Mode 2: 8 Bit, CCT |
| | | 010 ... 014 | Mode 3: 8 Bit, CCT and Hue/Saturation |
| | | 015 ... 019 | Mode 4: 8 Bit, RGBW |
| | | 020 ... 024 | Mode 5: 8 Bit, Hue/Saturation |
| | | 025 ... 029 | Mode 6: 16 Bit, CCT and RGBW |
| | | 030 ... 034 | Mode 7: 16 Bit, CCT |
| | | 035 ... 039 | Mode 8: 16 Bit, CCT and Hue/Saturation |
| | | 040 ... 044 | Mode 9: 16 Bit, RGBW |
| | | 045 ... 049 | Mode 10: 16 Bit, Hue/Saturation |
| | | 050 ... 054 | Mode 11: 8 Bit, xy Coordinates |
| | | 055 ... 059 | Mode 12: 8 Bit, CCT and xy Coordinates |
| | | 060 ... 064 | Mode 13: 16 Bit, xy Coordinates |
| | | 065 ... 069 | Mode 14: 16 Bit, CCT and xy Coordinates |
| | | 070 ... 074 | Mode 15: 8 Bit, CCT and Hue/Saturation with Effects |
| | | 075 ... 079 | Mode 16: 8 Bit, CCT and RGBW with Effects |
| | | 080 ... 084 | Mode 17: 8 Bit, CCT and xy Coordinates with Effects |
| | | 085 ... 089 | Mode 18: 16 Bit, CCT and Hue/Saturation with Effects |
| | | 090 ... 094 | Mode 19: 16 Bit, CCT and RGBW with Effects |
| | | 095 ... 099 | 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 |
| | | | |
| | | 160 ... 164 | Mode 33: 8 Bit, MultiZoneHue/Saturation |
| | | 165 ... 169 | Mode 34: 8 Bit, MultiZonexyCoordinates |
| | | 170 ... 174 | Mode 35: 16 Bit, Multi Zone CCT and RGBW |

Mode 31: FLEX MODE Cont.

Note: Number of slots used is dependent on Mode selected using slot 1. To enable all possible Modes to be selected, 25 slots should be reserved.

| Slot No | Slot Name | DMX Value | Output Value |
|---------|-----------|-------------|--|
| 1 | | 175 ... 179 | Mode 36: 16 Bit, Multi Zone Hue/Saturation |
| | | 180 ... 184 | Mode 37: 16 Bit, Mulit Zone xy Coordinates |
| | | 185 ... 255 | RESERVED |
| ... | ... | ... | ... |
| 24 | Slot 23 | 000 ... 255 | Slot 23 of selected Mode – see appropriate Mode table |
| 25 | Slot 24 | 000 ... 255 | Slot 24 of selected Mode – see appropriate Mode table |
| 26 | Slot 25 | 000 ... 255 | Slot 25 of selected Mode – see appropriate Mode table |
| ... | ... | ... | ... |
| 128 | Slot 127 | 000 ... 255 | Slot 127 of selected Mode – see appropriate Mode table |
| 129 | Slot 128 | 000 ... 255 | Slot 128 of selected Mode – see appropriate Mode table |
| 130 | Slot 129 | 000 ... 255 | Slot 129 of selected Mode – see appropriate Mode table |

Zone Mapping for Vortex8 (Looking at front of fixture)



Mode 32: 8 Bits – Multi Zone CCT and RGBW

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

Mode 32: 8 Bits – Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | DMX Value | Output Value |
|---------------|-------------------------|-------------|------------------|
| 23 | Green | 000 ... 255 | 0 ... 100% |
| 24 | Blue | 000 ... 255 | 0 ... 100% |
| 25 | White | 000 ... 255 | 0 ... 100% |
| ZONE 4 | | | |
| 26 | Level | 000 ... 255 | 0 ... 100% |
| 27 | CCT | 000 ... 255 | 2200 ... 15000K |
| 28 | Green/ Magenta | 000 ... 010 | Neutral |
| | | 011 ... 133 | -100 to -1 Green |
| | | 134 | Neutral |
| | | 135 ... 255 | +1 to +100 Green |
| 29 | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100% |
| 30 | Red | 000 ... 255 | 0 ... 100% |
| 31 | Green | 000 ... 255 | 0 ... 100% |
| 32 | Blue | 000 ... 255 | 0 ... 100% |
| 33 | White | 000 ... 255 | 0 ... 100% |
| ZONE 5 | | | |
| 34 | Level | 000 ... 255 | 0 ... 100% |
| 35 | CCT | 000 ... 255 | 2200 ... 15000K |
| 36 | Green/ Magenta | 000 ... 010 | Neutral |
| | | 011 ... 133 | -100 to -1 Green |
| | | 134 | Neutral |
| | | 135 ... 255 | +1 to +100 Green |
| 37 | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100% |
| 38 | Red | 000 ... 255 | 0 ... 100% |
| 39 | Green | 000 ... 255 | 0 ... 100% |
| 40 | Blue | 000 ... 255 | 0 ... 100% |
| 41 | White | 000 ... 255 | 0 ... 100% |
| ZONE 6 | | | |
| 42 | Level | 000 ... 255 | 0 ... 100% |
| 43 | CCT | 000 ... 255 | 2200 ... 15000K |
| 44 | Green/ Magenta | 000 ... 010 | Neutral |
| | | 011 ... 133 | -100 to -1 Green |
| | | 134 | Neutral |
| | | 135 ... 255 | +1 to +100 Green |

Mode 32: 8 Bits – Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | DMX Value | Output Value |
|---------------|----------------------|-------------|------------------|
| 45 | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100% |
| 46 | Red | 000 ... 255 | 0 ... 100% |
| 47 | Green | 000 ... 255 | 0 ... 100% |
| 48 | Blue | 000 ... 255 | 0 ... 100% |
| 49 | White | 000 ... 255 | 0 ... 100% |
| ZONE 7 | | | |
| 50 | Level | 000 ... 255 | 0 ... 100% |
| 51 | CCT | 000 ... 255 | 2200 ... 15000K |
| 52 | Green/ Magenta | 000 ... 010 | Neutral |
| | | 011 ... 133 | -100 to -1 Green |
| | | 134 | Neutral |
| | | 135 ... 255 | +1 to +100 Green |
| 53 | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100% |
| 54 | Red | 000 ... 255 | 0 ... 100% |
| 55 | Green | 000 ... 255 | 0 ... 100% |
| 56 | Blue | 000 ... 255 | 0 ... 100% |
| 57 | White | 000 ... 255 | 0 ... 100% |
| ZONE 8 | | | |
| 58 | Level | 000 ... 255 | 0 ... 100% |
| 59 | CCT | 000 ... 255 | 2200 ... 15000K |
| 60 | Green/ Magenta | 000 ... 010 | Neutral |
| | | 011 ... 133 | -100 to -1 Green |
| | | 134 | Neutral |
| | | 135 ... 255 | +1 to +100 Green |
| 61 | CCT-Colour Crossfade | 000 ... 255 | 0 ... 100% |
| 62 | Red | 000 ... 255 | 0 ... 100% |
| 63 | Green | 000 ... 255 | 0 ... 100% |
| 64 | Blue | 000 ... 255 | 0 ... 100% |
| 65 | White | 000 ... 255 | 0 ... 100% |

Mode 33: 8 Bits - Multi Zone Hue/Saturation

| Slot No | Slot Name | DMX Value | Output Value |
|---------------|--------------|-------------|--------------------|
| 1 | Fan Mode | 000 ... 255 | See Fan Mode Table |
| ZONE 1 | | | |
| 2 | Master Level | 000 ... 255 | 0 ... 100% |
| 3 | Hue | 000 ... 255 | 0 ... 360 Degrees |
| 4 | Saturation | 000 ... 255 | 0 ... 100% |
| ZONE 2 | | | |
| 5 | Master Level | 000 ... 255 | 0 ... 100% |
| 6 | Hue | 000 ... 255 | 0 ... 360 Degrees |
| 7 | Saturation | 000 ... 255 | 0 ... 100% |
| ZONE 3 | | | |
| 8 | Master Level | 000 ... 255 | 0 ... 100% |
| 9 | Hue | 000 ... 255 | 0 ... 360 Degrees |
| 10 | Saturation | 000 ... 255 | 0 ... 100% |
| ZONE 4 | | | |
| 11 | Master Level | 000 ... 255 | 0 ... 100% |
| 12 | Hue | 000 ... 255 | 0 ... 360 Degrees |
| 13 | Saturation | 000 ... 255 | 0 ... 100% |
| ZONE 5 | | | |
| 14 | Master Level | 000 ... 255 | 0 ... 100% |
| 15 | Hue | 000 ... 255 | 0 ... 360 Degrees |
| 16 | Saturation | 000 ... 255 | 0 ... 100% |
| ZONE 6 | | | |
| 17 | Master Level | 000 ... 255 | 0 ... 100% |
| 18 | Hue | 000 ... 255 | 0 ... 360 Degrees |
| 19 | Saturation | 000 ... 255 | 0 ... 100% |
| ZONE 7 | | | |
| 20 | Master Level | 000 ... 255 | 0 ... 100% |
| 21 | Hue | 000 ... 255 | 0 ... 360 Degrees |
| 22 | Saturation | 000 ... 255 | 0 ... 100% |
| ZONE 8 | | | |
| 23 | Master Level | 000 ... 255 | 0 ... 100% |
| 24 | Hue | 000 ... 255 | 0 ... 360 Degrees |
| 25 | Saturation | 000 ... 255 | 0 ... 100% |

Mode 34: 8 Bits - Multi Zone xy Coordinates

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

Mode 35: 16 Bits - Multi Zone CCT and RGBW

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

Mode 35: 16 Bits - Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|----------------------|----|-----------------|------------------|
| ZONE 2 | | | | |
| 18 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 19 | | LO | | |
| 20 | CCT | HI | 00000 ... 65535 | 2200 ... 15000K |
| 21 | | LO | | |
| 22 | Green/Magenta | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | -100 to -1 Green |
| | | | 35268 | Neutral |
| 23 | | LO | 35269 ... 65535 | +1 to +100 Green |
| 24 | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100% |
| 25 | | LO | | |
| 26 | Red | HI | 00000 ... 65535 | 0 ... 100% |
| 27 | | LO | | |
| 28 | Green | HI | 00000 ... 65535 | 0 ... 100% |
| 29 | | LO | | |
| 30 | Blue | HI | 00000 ... 65535 | 0 ... 100% |
| 31 | | LO | | |
| 32 | White | HI | 00000 ... 65535 | 0 ... 100% |
| 33 | | LO | | |

Mode 35: 16 Bits - Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|----------------------|-----------------|------------------|------------------|
| ZONE 3 | | | | |
| 34 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 35 | | LO | | |
| 36 | CCT | HI | 00000 ... 65535 | 2200 ... 15000K |
| 37 | | LO | | |
| 38 | Green/Magenta | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | -100 to -1 Green |
| | | | 35268 | Neutral |
| 39 | LO | 35269 ... 65535 | +1 to +100 Green | |
| 40 | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100% |
| 41 | | LO | | |
| 42 | Red | HI | 00000 ... 65535 | 0 ... 100% |
| 43 | | LO | | |
| 44 | Green | HI | 00000 ... 65535 | 0 ... 100% |
| 45 | | LO | | |
| 46 | Blue | HI | 00000 ... 65535 | 0 ... 100% |
| 47 | | LO | | |
| 48 | White | HI | 00000 ... 65535 | 0 ... 100% |
| 49 | | LO | | |

Mode 35: 16 Bits - Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|----------------------|-----------------|------------------|------------------|
| ZONE 4 | | | | |
| 50 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 51 | | LO | | |
| 52 | CCT | HI | 00000 ... 65535 | 2200 ... 15000K |
| 53 | | LO | | |
| 54 | Green/Magenta | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | -100 to -1 Green |
| | | | 35268 | Neutral |
| 55 | LO | 35269 ... 65535 | +1 to +100 Green | |
| 56 | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100% |
| 57 | | LO | | |
| 58 | Red | HI | 00000 ... 65535 | 0 ... 100% |
| 59 | | LO | | |
| 60 | Green | HI | 00000 ... 65535 | 0 ... 100% |
| 61 | | LO | | |
| 62 | Blue | HI | 00000 ... 65535 | 0 ... 100% |
| 63 | | LO | | |
| 64 | White | HI | 00000 ... 65535 | 0 ... 100% |
| 65 | | LO | | |

Mode 35: 16 Bits - Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|----------------------|----|-----------------|------------------|
| ZONE 5 | | | | |
| 66 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 67 | | LO | | |
| 68 | CCT | HI | 00000 ... 65535 | 2200 ... 15000K |
| 69 | | LO | | |
| 70 | Green/Magenta | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | -100 to -1 Green |
| | | | 35268 | Neutral |
| 71 | | LO | 35269 ... 65535 | +1 to +100 Green |
| 72 | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100% |
| 73 | | LO | | |
| 74 | Red | HI | 00000 ... 65535 | 0 ... 100% |
| 75 | | LO | | |
| 76 | Green | HI | 00000 ... 65535 | 0 ... 100% |
| 77 | | LO | | |
| 78 | Blue | HI | 00000 ... 65535 | 0 ... 100% |
| 79 | | LO | | |
| 80 | White | HI | 00000 ... 65535 | 0 ... 100% |
| 81 | | LO | | |

Mode 35: 16 Bits - Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|----------------------|-----------------|------------------|------------------|
| ZONE 6 | | | | |
| 82 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 83 | | LO | | |
| 84 | CCT | HI | 00000 ... 65535 | 2200 ... 15000K |
| 85 | | LO | | |
| 86 | Green/Magenta | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | -100 to -1 Green |
| | | | 35268 | Neutral |
| 87 | LO | 35269 ... 65535 | +1 to +100 Green | |
| 88 | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100% |
| 89 | | LO | | |
| 90 | Red | HI | 00000 ... 65535 | 0 ... 100% |
| 91 | | LO | | |
| 92 | Green | HI | 00000 ... 65535 | 0 ... 100% |
| 93 | | LO | | |
| 94 | Blue | HI | 00000 ... 65535 | 0 ... 100% |
| 95 | | LO | | |
| 96 | White | HI | 00000 ... 65535 | 0 ... 100% |
| 97 | | LO | | |

Mode 35: 16 Bits - Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|----------------------|----|-----------------|------------------|
| ZONE 7 | | | | |
| 98 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 99 | | LO | | |
| 100 | CCT | HI | 00000 ... 65535 | 2200 ... 15000K |
| 101 | | LO | | |
| 102 | Green/Magenta | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | -100 to -1 Green |
| | | | 35268 | Neutral |
| 103 | | LO | 35269 ... 65535 | +1 to +100 Green |
| 104 | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100% |
| 105 | | LO | | |
| 106 | Red | HI | 00000 ... 65535 | 0 ... 100% |
| 107 | | LO | | |
| 108 | Green | HI | 00000 ... 65535 | 0 ... 100% |
| 109 | | LO | | |
| 110 | Blue | HI | 00000 ... 65535 | 0 ... 100% |
| 111 | | LO | | |
| 112 | White | HI | 00000 ... 65535 | 0 ... 100% |
| 113 | | LO | | |

Mode 35: 16 Bits - Multi Zone CCT and RGBW Cont.

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|----------------------|----|-----------------|------------------|
| ZONE 8 | | | | |
| 114 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 115 | | LO | | |
| 116 | CCT | HI | 00000 ... 65535 | 2200 ... 15000K |
| 117 | | LO | | |
| 118 | Green/Magenta | HI | 00000 ... 05000 | Neutral |
| | | | 05001 ... 35267 | -100 to -1 Green |
| | | | 35268 | Neutral |
| 119 | | LO | 35269 ... 65535 | +1 to +100 Green |
| 120 | CCT-Colour Crossfade | HI | 00000 ... 65535 | 0 ... 100% |
| 121 | | LO | | |
| 122 | Red | HI | 00000 ... 65535 | 0 ... 100% |
| 123 | | LO | | |
| 124 | Green | HI | 00000 ... 65535 | 0 ... 100% |
| 125 | | LO | | |
| 126 | Blue | HI | 00000 ... 65535 | 0 ... 100% |
| 127 | | LO | | |
| 128 | White | HI | 00000 ... 65535 | 0 ... 100% |
| 129 | | LO | | |

Mode 36: 16 Bits - Multi Zone Hue/Saturation

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|--------------|----|-----------------|--------------------|
| 1 | Fan Mode | | 000 ... 255 | See Fan Mode Table |
| ZONE 1 | | | | |
| 2 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 3 | | LO | | |
| 4 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 5 | | LO | | |
| 6 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 7 | | LO | | |
| ZONE 2 | | | | |
| 8 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 9 | | LO | | |
| 10 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 11 | | LO | | |
| 12 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 13 | | LO | | |
| ZONE 3 | | | | |
| 14 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 15 | | LO | | |
| 16 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 17 | | LO | | |
| 18 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 19 | | LO | | |
| ZONE 4 | | | | |
| 20 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 21 | | LO | | |
| 22 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 23 | | LO | | |
| 24 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 25 | | LO | | |

Mode 36: 16 Bits - Multi Zone Hue/Saturation

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|--------------|----|-----------------|-------------------|
| ZONE 5 | | | | |
| 26 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 27 | | LO | | |
| 28 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 29 | | LO | | |
| 30 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 31 | | LO | | |
| ZONE 6 | | | | |
| 32 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 33 | | LO | | |
| 34 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 35 | | LO | | |
| 36 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 37 | | LO | | |
| ZONE 7 | | | | |
| 38 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 39 | | LO | | |
| 40 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 41 | | LO | | |
| 42 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 43 | | LO | | |
| ZONE 8 | | | | |
| 44 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 45 | | LO | | |
| 46 | Hue | HI | 00000 ... 65535 | 0 ... 360 Degrees |
| 47 | | LO | | |
| 48 | Saturation | HI | 00000 ... 65535 | 0 ... 100% |
| 49 | | LO | | |

Mode 37: 16 Bits - Multi Zone xy Coordinates

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

Mode 37: 16 Bits - Multi Zone xy Coordinates

| Slot No | Slot Name | | DMX Value | Output Value |
|---------------|--------------|----|-----------------|--------------|
| ZONE 5 | | | | |
| 26 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 27 | | LO | | |
| 28 | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x |
| 29 | | LO | | |
| 30 | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y |
| 31 | | LO | | |
| ZONE 6 | | | | |
| 32 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 33 | | LO | | |
| 34 | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x |
| 35 | | LO | | |
| 36 | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y |
| 37 | | LO | | |
| ZONE 7 | | | | |
| 38 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 39 | | LO | | |
| 40 | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x |
| 41 | | LO | | |
| 42 | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y |
| 43 | | LO | | |
| ZONE 8 | | | | |
| 44 | Master Level | HI | 00000 ... 65535 | 0 ... 100% |
| 45 | | LO | | |
| 46 | x Coordinate | HI | 00000 ... 65535 | 0 ... 0.8x |
| 47 | | LO | | |
| 48 | y Coordinate | HI | 00000 ... 65535 | 0 ... 0.8y |
| 49 | | LO | | |

Effects Tables for 8 and 16 bit modes

| Slot Name | DMX Value | Output Value |
|----------------------|-------------|---|
| Effects Mode | 000 ... 019 | No Effect |
| | 020 ... 029 | Strobe Effect |
| | 030 ... 039 | Random Effect |
| | 040 ... 049 | Flash Frames Effect *coming soon* |
| | 050 ... 059 | Dual Level Effect |
| | 060 ... 069 | Timed Flash Effect *coming soon* |
| | 070 ... 079 | Colour Cycle Effect |
| | 080 ... 089 | Candle & Fire Effect |
| | 090 ... 099 | Emergency Lights Effect |
| | 100 ... 109 | Television Effect |
| | 110 ... 119 | Paparazzi Effect |
| | 120 ... 129 | Party Effect |
| | 130 ... 139 | Pulse Effect |
| | 140 ... 255 | RESERVED |
| Strobe Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 020 ... 029 | Strobe Effect Selected |
| Effects Channel 1 | | Speed |
| | 000 ... 255 | 0.1 ... 50 Hz (Flashes / Second) |
| Effects Channel 2 | | Duty Cycle (ratio of light ON / OFF time) |
| | 000 ... 255 | 1 ... 99 % |
| Effects Channel 3 | | Sync |
| | 000 ... 255 | Restarts effect if bumped to 255 (100%) |
| Random Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 030 ... 039 | Random Effect Selected |
| Effects Channel 1 | | Speed |
| | 000 ... 255 | 0.05... 5 Hz (Flashes / Second, Randomised) |
| Effects Channel 2 | | Flash Length |
| | 000 ... 255 | 1 ... 200mS (randomised) |
| Effects Channel 3 | | Variation in Flash Brightness |
| | 000 ... 255 | 0 ... 100% (randomised) |

Effects Tables for 8 and 16 bit modes Cont.

| Slot Name | DMX Value | Output Value |
|----------------------------|-------------|------------------------------|
| Flash Frames Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 040 ... 049 | Flash Frames Effect Selected |
| Effects Channel 1 | | Frames light is OFF |
| | 000 ... 255 | 1 ... 255 Frames |
| Effects Channel 2 | | Frames light is ON |
| | 000 ... 255 | 1 ... 255 Frames |
| Effects Channel 3 | | Effect Enabled |
| | 000 ... 127 | Effect OFF |
| | 128 ... 255 | Effect ON |
| Dual Level Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 050 ... 059 | Dual Level Effect Selected |
| Effects Channel 1 | | Flash Level |
| | 000 ... 255 | 0 ... 100% (brightness) |
| Effects Channel 2 | | Effect Enabled |
| | 000 ... 127 | Effect Disabled |
| | 128 ... 255 | Effect Enabled |
| Effects Channel 3 | | Level Select |
| | 000 ... 127 | Normal |
| | 128 ... 255 | Flash Level |

Effects Tables for 8 and 16 bit modes Cont.

| Slot Name | DMX Value | Output Value |
|---------------------------|-------------|---|
| Timed Flash Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 060 ... 069 | Timed Flash Effect Selected |
| Effects Channel 1 | | Flash Level |
| | 000 ... 255 | 0 ... 100% (brightness) |
| Effects Channel 2 | | Flash Time |
| | 000 ... 009 | 1/5000 th Second |
| | 010 ... 019 | 1/2000 th Second |
| | 020 ... 029 | 1/1000 th Second |
| | 030 ... 039 | 1/800 th Second |
| | 040 ... 049 | 1/500 th Second |
| | 050 ... 059 | 1/320 th Second |
| | 060 ... 069 | 1/250 th Second |
| | 070 ... 079 | 1/125 th Second |
| | 080 ... 089 | 1/60 th Second |
| | 090 ... 099 | 1/30 th Second |
| | 100 ... 109 | 1/15 th Second |
| | 110 ... 119 | 1/10 th Second |
| | 120 ... 129 | 1/5 th Second |
| | 129 ... 255 | RESERVED |
| | | NOTE – Flash times faster than 1/500 th second may not be accurate on all fixture types and colour modes |
| Effects Channel 3 | | Effect Enabled |
| | 000 ... 127 | Effect Disabled |
| | 128 ... 255 | Effect Enabled |
| Effects Channel 4 | | Trigger Effect |
| | 000 ... 127 | Trigger OFF |
| | 128 ... 255 | Trigger ON (start timed flash) |

Effects Tables for 8 and 16 bit modes Cont.

| Slot Name | DMX Value | Output Value |
|---------------------------------|-------------|--|
| Colour Cycle Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 070 ... 079 | Colour Cycle Effect Selected |
| Effects Channel 1 | | Speed |
| | 000 ... 255 | 1 ... 100% |
| Effects Channel 2 | | Hue Offset |
| | 000 ... 255 | 0 ... 360 Degrees |
| Effects Channel 3 | | Sync |
| | 000 ... 255 | Restarts effect if bumped to 255 (100%) |
| Candle & Fire Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 080 ... 089 | Candle & Fire Effect Selected |
| Effects Channel 1 | | Preset |
| | 000 ... 019 | CUSTOM (use effect channel settings below) |
| | 020 ... 039 | CALM CANDLE |
| | 040 ... 059 | WINDY CANDLE |
| | 060 ... 079 | FIREPLACE |
| | 080 ... 099 | CAMPFIRE |
| | 100 ... 119 | BONFIRE |
| | 120 ... 139 | INFERNO |
| | 140 ... 159 | GAS FIRE |
| | 160 ... 179 | RESERVED |
| Effects Channel 2 | | Intensity |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 3 | | Speed |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 4 | | Colour Temperature |
| | 000 ... 244 | 1400 – 5600K |
| | 245 ... 255 | Use Colour Mode Slots to set colour |

Effects Tables for 8 and 16 bit modes Cont.

| Slot Name | DMX Value | Output Value |
|--------------------------------|-------------|--|
| Emergency Lights Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 090 ... 099 | Emergency Lights Effect Selected |
| Effects Channel 1 | | Preset |
| | 000 ... 009 | CUSTOM (use effect channel settings below) |
| | 010 ... 019 | BLUE SLOW |
| | 020 ... 029 | BLUE FAST |
| | 030 ... 039 | BLUE DOUBLE |
| | 040 ... 049 | BLUE BURST |
| | 050 ... 059 | BLUE/RED SLOW |
| | 060 ... 069 | BLUE/RED FAST |
| | 070 ... 079 | BLUE/RED DOUBLE |
| | 080 ... 089 | BLUE/RED BURST |
| | 090 ... 099 | BLUE/RED RAPID |
| | 100 ... 109 | BLUE/RED/WHITE RAPID |
| | 110 ... 119 | RED WARNING |
| | 120 ... 129 | AMBER PING |
| | 130 ... 139 | MEGENTA BURST |
| 140 ... 255 | RESERVED | |
| Effects Channel 2 | | Colour Combination |
| | 000 ... 014 | BLUE |
| | 015 ... 029 | BLUE, RED |
| | 030 ... 044 | BLUE, WHITE |
| | 045 ... 059 | BLUE, AMBER |
| | 060 ... 074 | BLUE, WHITE, RED |
| | 075 ... 089 | BLUE, AMBER, RED |
| | 090 ... 104 | RED, AMBER |
| | 105 ... 119 | RED |
| | 120 ... 134 | AMBER |
| | 135 ... 149 | MAGENTA |
| | 150 ... 164 | GREEN |
| | 165 ... 179 | WHITE |
| | 180 ... 244 | RESERVED |
| | 245 ... 255 | Use Colour Mode Slots to set colour |

Effects Tables for 8 and 16 bit modes Cont.

| Slot Name | DMX Value | Output Value |
|--------------------------------|-------------|--|
| Emergency Lights Effect | | |
| Effects Channel 3 | | Flashes |
| | 000 ... 009 | 1 Flash |
| | 010 ... 019 | 2 Flashes |
| | 020 ... 029 | 3 Flashes |
| | 030 ... 039 | 4 Flashes |
| | ... | ... |
| | 180 ... 189 | 19 Flashes |
| | 190 ... 199 | 20 Flashes |
| | 200 ... 255 | RESERVED |
| Effects Channel 4 | | Speed |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 5 | | Pause Time |
| | 000 ... 255 | 0 ... 2 Seconds |
| Television Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 100 ... 109 | Television Effect Selected |
| Effects Channel 1 | | Speed |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 2 | | Intensity |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 3 | | Colour Temperature |
| | 000 ... 255 | 2,200 ... 10,000K. Random CCT and Green/Magenta values around chosen Colour Temperature are used for effect. |
| Paparazzi Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 110 ... 119 | Paparazzi Effect Selected |
| Effects Channel 1 | | Speed |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 2 | | Decay Speed |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 3 | | Colour Temperature |
| | 000 ... 244 | 1,700 ... 15,000K. |
| | 245 ... 255 | Use Colour Mode Slots to set colour |

Effects Tables for 8 and 16 bit modes Cont.

| Slot Name | DMX Value | Output Value |
|---------------------|-------------|-------------------------------|
| Party Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 120 ... 129 | Party Effect Selected |
| Effects Channel 1 | | Palette |
| | 000 ... 019 | PRIMARY 6 |
| | 020 ... 039 | PRIMERY 12 |
| | 040 ... 059 | PRIMERY 24 |
| | 060 ... 079 | WARM |
| | 080 ... 099 | COOL |
| | 100 ... 119 | WARM & COOL |
| | 120 ... 139 | PASTEL |
| | 140 ... 159 | PURPLE RAIN |
| | 160 ... 179 | ULTRAVIOLET |
| 180 ... 255 | RESERVED | |
| Effects Channel 2 | | Speed |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 3 | | Transition Type |
| | 000 ... 039 | IMMEDIATE |
| | 040 ... 079 | FADE |
| | 080 ... 119 | FADE, RANDOM TRANSITION SPEED |
| | 120 ... 255 | RESERVED |
| Effects Channel 4 | | Transition Speed |
| | 000 ... 255 | 0 ... 100% |
| Pulse Effect | | |
| Slot Name | DMX Value | Output Value |
| Effects Mode | 130 ... 139 | Pulse Effect Selected |
| Effects Channel 1 | | Frequency |
| | 000 ... 255 | 0 ... 100% |
| Effects Channel 2 | | Pulse Speed |
| | 000 ... 255 | 0 ... 100% |

Gel Tables for 8 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 | |

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

| Slot Name | DMX Value | Gel Number | Gel Name |
|------------|-------------|------------|-------------------|
| Gel Swatch | 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 |
| | 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 |

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

| Slot Name | DMX Value | Gel Number | Gel Name |
|------------|-------------|------------|------------------|
| Gel Swatch | 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 |
| | 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 |
|------------|------------|------------|-----------------------|
| Gel Swatch | 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 |
|------------|-----------|------------|-----------------|
| Gel Swatch | 0 ... 1 | 600 | Arctic White |
| | 2 ... 3 | 601 | Silver |
| | 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 |
| | 66 ... 67 | 776 | Nectarine |
| | 68 ... 69 | 778 | Millennium Gold |
| | 70 ... 71 | 779 | Bastard Pink |
| | 72 ... 73 | 781 | Terry Red |

LEE 700 (Gel Library DMX Value 30-39) Cont.

| Slot Name | DMX Value | Gel Number | Gel Name |
|------------|------------|------------|-----------------|
| Gel Swatch | 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) |

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

| Slot Name | DMX Value | Gel Number | Gel Name |
|------------|------------|------------|----------------------|
| Gel Swatch | 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 |
| | 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 |

Rosco Cinelux (Gel Library DMX Value 50-59) Cont.

| Slot Name | DMX Value | Gel Number | Gel Name |
|------------|------------|------------|-------------------|
| Gel Swatch | 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 |
| | 66 ... 67 | 376 | Bermuda Blue |
| | 68 ... 69 | 77 | Green Blue |
| | 70 ... 71 | 378 | Alice 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 |
| | 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 |
| | 40 ... 41 | 3317 | 1/8 Plusgreen |

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

| Slot Name | DMX Value | Gel Number | Gel Name |
|------------|------------|------------|------------------|
| Gel Swatch | 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 |
| $DMX_{CCT} = \frac{CCT - 2200}{50.196}$ |
| 16 Bit |
| $DMX_{CCT} = \frac{CCT - 2200}{0.195315}$ |
| x,y Coordinate to DMX conversion |
| 8 Bit |
| $DMX_x = \frac{x_{coordinate} * 255}{0.8}$ |
| $DMX_y = \frac{y_{coordinate} * 255}{0.8}$ |
| 16 Bit |
| $DMX_x = \frac{x_{coordinate} * 65535}{0.8}$ |
| $DMX_y = \frac{y_{coordinate} * 65535}{0.8}$ |

Document History

| Revision | Date | Notes |
|----------|------------|--|
| 1.0 | 8 Oct 2020 | Initial Release |
| 1.1 | 3 Dec 2020 | Added additional Flex modes, and FX modes. For Vortex FW Version 1.1.2 and above |

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