



LAYER CONCEPT

Tambora has five different operating modes:

Standard RGBW 8bit, Standard RGBW 16bit,
Shape RGBW, Shape RGBW 16bit
Advanced

The Standard modes allow to control the fixtures with a single colour layer.

The Shape mode allows user to select and manage countless type of graphic effects,

by enable Pixels/Strobe Engine (active in 0 seconds) the users can control RGB or Strobe of any single Led.

Advanced mode allows easy control with three independent overlapping layers that can operate simultaneously

LAYER CONCEPT

Layer 1 control general fixture parameters.

Layer 2 control Shape Engine, fade colour speed transition in Dynamic or Static mode.

Layer 3 control dimmer and strobe of pixel mapping engine.

Layer 2 and 3 can be set in master/slave mode

When a layer is set in master mode, it wins on the below layer even if the intensity is set at 0%

If a layer is set in master mode the pixel become black

If a layer is set in slave mode the layer below win

Pixel/Strobe Mapping function ON (RGB) enable Pixel/Strobe Mapping engine. Function is activated in zero seconds.

DMX MODE

| <i>Mode</i> | <i>Number of Parameter</i> | <i>Colour Control</i> | <i>Notes</i> |
|---------------------|----------------------------|-----------------------|-----------------------------------------------------|
| Standard RGBW | 9 | RGBW 8bit | Colour control as single layer. |
| Standard RGBW 16bit | 13 | RGBW 16bit | Colour control as single layer. |
| Shape RGBW | 31 | RGBW 8bit | Colour control in 2 layers with background effect. |
| Shape RGBW 16bit | 39 | RGBW 16bit | Colour control in 2 layers with background effect. |
| Advanced | 33 | RGBW | Colour control, in 3 layers with background effect. |

IMPORTANT: The Shape RGBW is the default operating mode.

PIXELS ENGINE MODE

| <i>Mode</i> | <i>Number of Parameter</i> | <i>Colour Control</i> | <i>Notes</i> |
|-------------|----------------------------|-----------------------|------------------------------------------|
| Disable | - | - | Disable the colour control for each led. |
| RGB | 45 | RGB 8bit | Colour control for each led. |

STROBE ENGINE MODE

| <i>Mode</i> | <i>Number of Parameter</i> | <i>Colour Control</i> | <i>Notes</i> |
|-------------|----------------------------|-----------------------|--------------------------------------------|
| Disable | - | - | Disable the colour control for strobe led. |
| Enable | 15 | W 8bit | White strobe control for each led. |

DMX MODE

| DMX Parameter | Standard RGBW | Standard RGBW 16bit | Shape RGBW |
|----------------------|----------------------|----------------------------|---------------------------------|
| 1 | Layer 1 Red | Layer 1 Red | Layer 1 Red |
| 2 | Layer 1 Green | Layer 1 Red fine | Layer 1 Green |
| 3 | Layer 1 Blue | Layer 1 Green | Layer 1 Blue |
| 4 | Layer 1 White | Layer 1 Green fine | Layer 1 White |
| 5 | Layer 1 CTO | Layer 1 Blue | Layer 1 CTO |
| 6 | Layer 1 Strobe | Layer 1 Blue fine | Layer 1 Strobe |
| 7 | Layer 1 Dimmer | Layer 1 White | Master Dimmer |
| 8 | Layer 1 Dimmer fine | White fine | Master Dimmer Fine |
| 9 | Function | Layer 1 CTO | Function |
| 10 | - | Layer 1 Strobe | Layer 2 Shape Selection |
| 11 | - | Layer 1 Dimmer | Layer 2 Shape Effect |
| 12 | - | Layer 1 Dimmer Fine | Layer 2 Indexing Speed |
| 13 | - | Function | Layer 2 Shape Fade |
| 14 | - | - | Layer 2 Shape Strobe |
| 15 | - | - | Layer 2 Shape Dimmer |
| 16 | - | - | Layer 2 Shape Transition |
| 17 | - | - | Layer 2 Background Red |
| 18 | - | - | Layer 2 Background Green |
| 19 | - | - | Layer 2 Background Blue |
| 20 | - | - | Layer 2 Background White |
| 21 | - | - | Layer 2 Background CTO |
| 22 | - | - | Layer 2 Background Strobe |
| 23 | - | - | Layer 2 Background Dimmer |
| 24 | - | - | Layer 4 Strobe Engine Strobe |
| 25 | - | - | Layer 4 Strobe Engine Dimmer |
| 26 | - | - | Layer 4 Strobe Engine Duration |
| 27 | - | - | Layer 4 Strobe Engine Rate |
| 28 | - | - | Layer 4 Strobe Effect Selection |
| 29 | - | - | Layer 4 Strobe Effect |
| 30 | - | - | Layer 4 Strobe Indexing Speed |
| 31 | - | - | Layer 4 Strobe Fade |

DMX MODE

| DMX Parameter | Shape RGBW 16bit | Advanced |
|---------------|---------------------------------|---------------------------------|
| 1 | Layer 1 Red | Layer 1 Red |
| 2 | Layer 1 Red fine | Layer 1 Green |
| 3 | Layer 1 Green | Layer 1 Blue |
| 4 | Layer 1 Green fine | Layer 1 White |
| 5 | Layer 1 Blue | Layer 1 CTO |
| 6 | Layer 1 Blue fine | Layer 1 Strobe |
| 7 | Layer 1 White | Layer 1 Dimmer |
| 8 | Layer 1 White fine | Master Strobe |
| 9 | Layer 1 CTO | Master Dimmer |
| 10 | Layer 1 Strobe | Master Dimmer Fine |
| 11 | Master Dimmer | Function |
| 12 | Master Dimmer Fine | Layer 2 Selection |
| 13 | Function | Layer 2 Effect |
| 14 | Layer 2 Shape Selection | Indexing/Speed |
| 15 | Layer 2 Shape Effect | Layer 2 Fade |
| 16 | Layer 2 Indexing Speed | Layer 2 Strobe |
| 17 | Layer 2 Shape Fade | Layer 2 Dimmer |
| 18 | Layer 2 Shape Strobe | Layer 2 Transition |
| 19 | Layer 2 Shape Dimmer | Layer 2 Red |
| 20 | Layer 2 Shape Transition | Layer 2 Green |
| 21 | Layer 2 Background Red | Layer 2 Blue |
| 22 | Layer 2 Background Red Fine | Layer 2 White |
| 23 | Layer 2 Background Green | Layer2 CTO |
| 24 | Layer 2 Background Green Fine | Layer 3 Strobe |
| 25 | Layer 2 Background Blue | Layer 3 Dimmer |
| 26 | Layer 2 Background Blue Fine | Layer 4 Strobe Engine Strobe |
| 27 | Layer 2 Background White | Layer 4 Strobe Engine Dimmer |
| 28 | Layer 2 Background White Fine | Layer 4 Strobe Engine Duration |
| 29 | Layer 2 Background CTO | Layer 4 Strobe Engine Rate |
| 30 | Layer 2 Background Strobe | Layer 4 Strobe Effect Selection |
| 31 | Layer 2 Background Dimmer | Layer 4 Strobe Effect |
| 32 | Layer 4 Strobe Engine Strobe | Layer 4 Strobe Indexing Speed |
| 33 | Layer 4 Strobe Engine Dimmer | Layer 4 Strobe Fade |
| 34 | Layer 4 Strobe Engine Duration | - |
| 35 | Layer 4 Strobe Engine Rate | - |
| 36 | Layer 4 Strobe Effect Selection | - |
| 37 | Layer 4 Strobe Effect | - |
| 38 | Layer 4 Strobe Indexing Speed | - |
| 39 | Layer 4 Strobe Fade | - |

PIXELS ENGINE MODE

| <i>DMX Parameter</i> | <i>Pixels RGB Mode</i> |
|----------------------|------------------------|
| 1 | Red Led 1 |
| 2 | Green Led 1 |
| 3 | Blue Led 1 |
| 4 | Red Led 2 |
| 5 | Green Led 2 |
| 6 | Blue Led 2 |
| 7 | Red Led 3 |
| 8 | Green Led 3 |
| 9 | Blue Led 3 |
| ⋮ | ⋮ |
| 43 | Red Led 15 |
| 44 | Green Led 15 |
| 45 | Blue Led 15 |

| <i>DMX Parameter</i> | <i>Pixels STROBE Mode</i> |
|----------------------|---------------------------|
| 1 | White Led 1 |
| 2 | White Led 2 |
| 3 | White Led 3 |
| 4 | White Led 4 |
| ⋮ | ⋮ |
| 13 | White Led 13 |
| 14 | White Led 14 |
| 15 | White Led 15 |
| | |
| | |
| | |
| | |
| | |

LED REFERENCE NUMBERS

IMPORTANT: The image refer to the fixture with the option Reverse Mapping OFF



Functions details

| Standard RGBW | Standard RGBW 16bit | Shape RGBW | Shape RGBW 16bit | DMX Default Value | Bit Value | Function |
|---------------|---------------------|------------|------------------|-------------------|-----------|---------------------------------------------------|
| 1 | 1 | 1 | 1 | 000 | 000 - 255 | LAYER 1 RED Linear 0 – 100% |
| - | 2 | - | 2 | 000 | 000 - 255 | LAYER 1 RED FINE (16 Bit) |
| 2 | 3 | 2 | 3 | 000 | 000 - 255 | LAYER 1 GREEN Linear 0 – 100% |
| - | 4 | - | 4 | 000 | 000 - 255 | LAYER 1 GREEN FINE (16 Bit) |
| 3 | 5 | 3 | 5 | 000 | 000 - 255 | LAYER 1 BLUE Linear 0 – 100% |
| - | 6 | - | 6 | 000 | 000 - 255 | LAYER 1 BLUE FINE (16 bit) |
| 4 | 7 | 4 | 7 | 000 | 000 - 255 | LAYER 1 WHITE Linear 0 – 100% |
| - | 8 | - | 8 | 000 | 000 - 255 | LAYER 1 WHITE FINE (16 bit) |
| 5 | 9 | 5 | 9 | 000 | | LAYER 1 CTO linear correction from 8000K to 2700K |
| | | | | | 000 - 009 | Unused range |
| | | | | | 010 - 255 | 8000 K - 2700 K |
| 6 | 10 | 6 | 10 | 000 | | MASTER STROBE |
| | | | | | 000 - 003 | Light OFF |
| | | | | | 004 - 103 | Strobe frequency from slow (1Hz) to fast (25Hz) |
| | | | | | 104 - 107 | Light ON |
| | | | | | 108 - 207 | Pulsation from slow (0.5 Hz) to fast (25 Hz) |
| | | | | | 208 - 212 | Light ON |
| | | | | | 213 - 225 | Random Slow Strobe effect |
| | | | | | 226 - 238 | Random Medium Strobe effect |
| | | | | | 239 - 251 | Random Fast Strobe effect |
| 252 - 255 | Light ON | | | | | |
| 7 | 11 | 7 | 11 | 000 | 000 - 255 | MASTER DIMMER |
| 8 | 12 | 8 | 12 | 000 | 000 - 255 | MASTER DIMMER FINE (16 bit) |

| Standard RGBW | Standard RGBW 16bit | Shape RGBW | Shape RGBW 16bit | DMX Default Value | BIT Value | Function | |
|---------------|---------------------|------------|------------------|-------------------|-----------|----------------------------------------------------------------------------------------------------------|---------------------|
| 9 | 13 | 9 | 13 | 000 | | FUNCTION | |
| | | | | | | IMPORTANT: Setting are activated and saved holding the DMX level for three seconds | |
| | | | | | 000 - 001 | Unused range | |
| | | | | | 002 - 003 | Auto (Default): Fans increase/decrease according to the LEDs temperature | |
| | | | | | 004 - 005 | SLN: Fans power always at minimum range, light output change accordingly with ambient temperature | |
| | | | | | 006 - 007 | Theatre: Fans power always at a constant range, light output constantly reduced | |
| | | | | | 008 - 009 | Constant: Fans power at maximum range | |
| | | | | | 010 - 037 | Unused range | |
| | | | | | 038 - 042 | Dimmer curve 1 (Default) | →Details at page 16 |
| | | | | | 043 - 047 | Dimmer curve 2 | |
| | | | | | 048 - 052 | Dimmer curve 3 | |
| | | | | | 053 - 055 | Dimmer curve 4 | |
| | | | | | 056 - 057 | Dimmer curve 5 | |
| | | | | | 058 - 062 | Raw colour gamma 1 | →Details at page 16 |
| | | | | | 063 - 067 | Raw colour gamma 1.5 | |
| | | | | | 068 - 072 | Raw colour gamma 2.2 (Default) | |
| | | | | | 073 - 074 | Colour calibration OFF (Default) | |
| | | | | | 075 - 076 | Colour calibration Factory | |
| | | | | | 077 - 078 | Colour calibration Customized | |
| | | | | | 079 - 080 | Set Customized Calibration at Full White | |
| | | | | | 081 - 082 | Set Customized Calibration at 3200K | |
| | | | | | 083 - 084 | Set Customized Calibration at 5600K | |
| | | | | | 085 - 086 | Record Customized calibration | |
| | | | | | 087 - 088 | Unused range | |
| | | | | | 089 - 090 | Reverse mapping OFF (Default) | |
| | | | | | 091 - 092 | Reverse mapping ON | |
| | | | | | 093 - 097 | Pixel mapping Disabled (Default) | |
| | | | | | 098 - 102 | Pixel mapping ON RGB Mode (active in 0 seconds) | |
| | | | | | 103 - 107 | Strobe Engine Disable (Default) | |
| | | | | | 108 - 112 | Strobe Engine Enable | |
| | | | | | 113 - 167 | Unused range | |
| | | | | | 168 - 188 | PWM frequency=600Hz | |
| | | | | | 189 - 199 | PWM frequency=1200Hz | |
| | | | | | 200 - 210 | PWM frequency=2000Hz (Default) | |
| | | | | | 211 - 221 | PWM frequency=4000Hz | |
| | | | | | 222 - 232 | PWM frequency=6000Hz | |
| | | | | | 233 - 243 | PWM frequency=25000Hz | |
| | | | | | 244 - 248 | Display OFF (Default) | |
| | | | | | 249 - 253 | Display ON | |
| | | | | | 254 - 255 | Default function recall | |

| Standard RGBW | Standard RGBW 16bit | Shape RGBW | Shape RGBW 16bit | DMX Default Value | BIT Value | Function | |
|---------------|-----------------------------------|------------|------------------|-------------------|-----------|------------------------------------------------------------------|----------------|
| - | - | 10 | 14 | 000 | | LAYER 2 SHAPE SELECTION | |
| | | | | | 000 - 005 | Normal | |
| | | | | | 006 - 130 | Static | |
| | | | | | 131 - 255 | Dynamic | |
| - | - | 11 | 15 | 000 | | LAYER 2 SHAPE EFFECT | |
| | | | | | 000 - 007 | Effect 1 | |
| | | | | | 008 - 015 | Effect 2 | |
| | | | | | 016 - 023 | Effect 3 | |
| | | | | | 024 - 248 | | |
| 249 - 255 | Effect 33 | | | | | | |
| - | - | 12 | 16 | 255 | | LAYER 2 INDEXING SPEED | |
| | | | | | 000 - 255 | Indexing | → Static mode |
| | | | | | 000 - 124 | Speed from fast to slow, forward | |
| | | | | | 125 - 130 | STOP | → Dynamic mode |
| 131 - 255 | Speed from slow to fast, backward | | | | | | |
| - | - | 13 | 17 | 000 | | LAYER 2 SHAPE FADE | |
| | | | | | 000 - 005 | OFF | |
| | | | | | 006 - 130 | Fade change from fast to slow | |
| | | | | | 131 - 255 | Wake change from fast to slow | |
| - | - | 14 | 18 | 255 | | LAYER 2 SHAPE STROBE | |
| | | | | | 000 - 003 | Light OFF | |
| | | | | | 004 - 103 | Strobe effect linearly variable from slow to fast | |
| | | | | | 104 - 107 | Light ON | |
| | | | | | 108 - 207 | Pulsation linearly variable speed from slow to fast | |
| | | | | | 208 - 212 | Light ON (Shape Slave) | |
| | | | | | 213 - 225 | Random Slow Strobe effect | |
| | | | | | 226 - 238 | Random Medium Strobe effect | |
| | | | | | 239 - 251 | Random Fast Strobe effect | |
| 252 - 255 | Light ON (Shape Master) | | | | | | |
| - | - | 15 | 19 | 000 | 000 - 255 | LAYER 2 SHAPE DIMMER | |
| - | - | 16 | 20 | 255 | 000 - 255 | LAYER 2 SHAPE TRANSITION Crossfade between macro shape | |
| - | - | 17 | 21 | 255 | 000 - 255 | LAYER 2 BACKGROUND RED Linear 0 – 100% | |
| - | - | - | 22 | 255 | 000 - 255 | LAYER 2 BACKGROUND RED FINE | |
| - | - | 18 | 23 | 255 | 000 - 255 | LAYER 2 BACKGROUND GREEN Linear 0 – 100% | |
| - | - | - | 24 | 255 | 000 - 255 | LAYER 2 BACKGROUND GREEN FINE | |
| - | - | 19 | 25 | 255 | 000 - 255 | LAYER 2 BACKGROUND BLUE Linear 0 – 100% | |
| - | - | - | 26 | 255 | 000 - 255 | LAYER 2 BACKGROUND BLUE FINE | |
| - | - | 20 | 27 | 255 | 000 - 255 | LAYER 2 BACKGROUND WHITE Linear 0 – 100% | |
| - | - | - | 28 | 255 | 000 - 255 | LAYER 2 BACKGROUND WHITE FINE | |

| Standard RGBW | Standard RGBW 16bit | Shape RGBW | Shape RGBW 16bit | DMX Default Value | BIT Value | Function |
|---------------|---------------------|------------|------------------|-------------------|-----------|------------------------------------------------------|
| - | - | 21 | 29 | 000 | | LAYER 2 BACKGROUND CTO |
| | | | | | 000 - 009 | OFF |
| | | | | | 010 - 255 | 8000K – 2700K |
| - | - | 22 | 30 | 255 | | LAYER 2 BACKGROUND STROBE |
| | | | | | 000 - 003 | Light OFF |
| | | | | | 004 - 103 | Strobe effect linearly variable from slow to fast. |
| | | | | | 104 - 107 | Light ON |
| | | | | | 108 - 207 | Pulsation linearly variable speed from slow to fast. |
| | | | | | 208 - 212 | Light ON |
| | | | | | 213 - 225 | Random Slow Strobe effect |
| | | | | | 226 - 238 | Random Medium Strobe effect |
| | | | | | 239 - 251 | Random Fast Strobe effect |
| | | | | | 252 - 255 | Light ON |
| - | - | 23 | 31 | 000 | 000 - 255 | LAYER 2 BACKGROUND DIMMER |
| - | - | 24 | 32 | 000 | | LAYER 4 STROBE ENGINE STROBE |
| | | | | | 000 - 005 | Light OFF |
| | | | | | 006 - 042 | Strobe Ramp Up effect |
| | | | | | 043 - 085 | Strobe Ramp Down effect |
| | | | | | 086 - 128 | Strobe Ramp Up, Down effect |
| | | | | | 129 - 171 | Strobe Random effect |
| | | | | | 172 - 214 | Strobe Lightning |
| | | | | | 215 - 255 | Strobe Spikes (Flash over low intensity) |
| - | - | 25 | 33 | 000 | 000 - 255 | LAYER 4 STROBE ENGINE DIMMER |
| - | - | 26 | 34 | 000 | 000 - 255 | LAYER 4 STROBE ENGINE DURATION |
| - | - | 27 | 35 | 000 | | LAYER 4 STROBE ENGINE RATE |
| | | | | | 000 - 005 | OFF |
| | | | | | 006 - 255 | Strobe frequency from slow (0.3Hz) to fast (25Hz) |
| - | - | 28 | 36 | 000 | | LAYER 4 STROBE EFFECT SELECTION |
| | | | | | 000 - 005 | Normal |
| | | | | | 006 - 130 | Static |
| | | | | | 131 - 255 | Dynamic |
| - | - | 29 | 37 | 000 | | LAYER 4 STROBE EFFECT |
| | | | | | 000 - 007 | Effect 1 |
| | | | | | 008 - 015 | Effect 2 |
| | | | | | 016 - 023 | Effect 3 |
| | | | | | 024 - 248 | |
| | | | | | 249 - 255 | Effect 33 |

| Standard RGBW | Standard RGBW 16bit | Shape RGBW | Shape RGBW 16bit | DMX Default Value | BIT Value | Function | |
|---------------|-----------------------------------|------------|------------------|-------------------|-----------|----------------------------------|----------------|
| - | - | 30 | 38 | 128 | | LAYER 4 INDEXING SPEED | |
| | | | | | 000 - 255 | Indexing | → Static mode |
| | | | | | 000 - 124 | Speed from fast to slow, forward | → Dynamic mode |
| | | | | | 125 - 130 | STOP | |
| 131 - 255 | Speed from slow to fast, backward | | | | | | |
| - | - | 34 | 39 | 000 | | LAYER 4 SHAPE FADE | |
| | | | | | 000 - 005 | OFF | |
| | | | | | 006 - 130 | Fade change from fast to slow | |
| | | | | | 131 - 255 | Wake change from fast to slow | |

Advanced Mode

| Advanced | DMX Default Value | Bit Value | Function |
|-----------|-------------------|-----------|----------------------------------------------------------------------------|
| 1 | 000 | 000 - 255 | LAYER 1 RED Linear 0 – 100% |
| 2 | 000 | 000 - 255 | LAYER 1 GREEN Linear 0 – 100% |
| 3 | 000 | 000 - 255 | LAYER 1 BLUE Linear 0 – 100% |
| 4 | 000 | 000 - 255 | LAYER 1 WHITE Linear 0 – 100% |
| 5 | 000 | | LAYER 1 CTO |
| | | 000 - 009 | OFF |
| | | 010 - 255 | from 8000K to 2700K |
| 6 | 255 | | LAYER 1 STROBE |
| | | 000 - 003 | Light OFF |
| | | 004 - 103 | Layer 1 Strobe effect linearly variable from slow to fast |
| | | 104 - 107 | Light ON |
| | | 108 - 207 | Layer 1 pulsation linearly variable speed from slow to fast |
| | | 208 - 212 | Light ON |
| | | 213 - 225 | Random Slow Strobe effect |
| | | 226 - 238 | Random Medium Strobe effect |
| | | 239 - 251 | Random Fast Strobe effect |
| | | 252 - 255 | Light On |
| 7 | 000 | 000 - 255 | LAYER 1 DIMMER Linear 0 – 100% |
| 8 | 255 | | MASTER STROBE |
| | | 000 - 003 | Light OFF |
| | | 004 - 103 | Strobe effect linearly variable frequency from slow (1Hz) to fast (25Hz) |
| | | 104 - 107 | Light ON |
| | | 108 - 207 | Pulsation at linearly variable speed from slow (0.5 Hz) to fast (25 Hz) |
| | | 208 - 212 | Light ON |
| | | 213 - 225 | Random Slow Strobe effect |
| | | 226 - 238 | Random Medium Strobe effect |
| | | 239 - 251 | Random Fast Strobe effect |
| 252 - 255 | Light On | | |
| 9 | 000 | 000 - 255 | MASTER DIMMER. Linear 0 – 100% |
| 10 | 000 | 000 - 255 | MASTER DIMMER FINE (16 bit) |
| 11 | 000 | | Same as the FUNCTION parameter of the other DMX modes. (see pag. 9) |
| 12 | 000 | | LAYER 2 SELECTION |
| | | 000 - 005 | Normal |
| | | 006 - 130 | Static |
| | | 131 - 255 | Dynamic |
| 13 | 000 | | LAYER 2 EFFECT |
| | | 000 - 007 | Effect 1 |
| | | 008 - 015 | Effect 2 |
| | | ... | ... |
| | | 241 - 248 | Effect 32 |
| | | 249 - 255 | Effect 33 |

| Advanced | DMX Default Value | Bit Value | Function | |
|-----------|---------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------|---------------------|
| 14 | 000 | 000 - 255 | INDEXING/SPEED Indexing → Static mode | |
| | | 128 | 000 - 124 Speed from fast to slow, forward 125 - 130 Stop 131 - 255 Speed from slow to fast, backward → Dynamic mode | |
| | 15 | 000 | | LAYER 2 FADE |
| | | | 000 - 005 | OFF |
| 006 - 130 | | | Fade control on shape from fast to slow | |
| 131 - 255 | | | Wake linearly increase of pixel back and front on the selected shape | |
| 16 | 255 | | LAYER 2 STROBE | |
| | | 000 - 003 | Light OFF | |
| | | 004 - 103 | Layer 2 Strobe effect linearly variable from slow to fast | |
| | | 104 - 107 | Light ON | |
| | | 108 - 207 | Layer 2 pulsation linearly variable speed from slow to fast | |
| | | 208 - 212 | Light ON (Layer 2 Slave) | |
| | | 213 - 225 | Random Slow Strobe effect | |
| | | 226 - 238 | Random Medium Strobe effect | |
| | | 239 - 251 | Random Fast Strobe effect | |
| 252 - 255 | Light ON (Layer 2 Master) | | | |
| 17 | 255 | 000 - 255 | LAYER 2 DIMMER Linear 0 – 100% | |
| 18 | 000 | 000 - 255 | LAYER 2 TRANSITION Crossfade between shape | |
| 19 | 255 | 000 - 255 | LAYER 2 RED Linear 0 – 100% | |
| 20 | 255 | 000 - 255 | LAYER 2 GREEN Linear 0 – 100% | |
| 21 | 255 | 000 - 255 | LAYER 2 BLUE Linear 0 – 100% | |
| 22 | 255 | 000 - 255 | LAYER 2 WHITE Linear 0 – 100% | |
| 23 | 000 | | LAYER 2 CTO | |
| | | 000 - 009 | CTO Off | |
| | | 010 - 255 | Layer 2 from 8000K to 2700K | |
| 24 | 255 | | LAYER 3 STROBE | |
| | | 000 - 003 | Light OFF | |
| | | 004 - 103 | Layer 3 Strobe effect from slow to fast | |
| | | 104 - 107 | Light ON | |
| | | 108 - 207 | Layer 3 pulsation from slow to fast | |
| | | 208 - 212 | Light ON (Layer 3 Slave) | |
| | | 213 - 225 | Random Slow Strobe effect | |
| | | 226 - 238 | Random Medium Strobe effect | |
| | | 239 - 251 | Random Fast Strobe effect | |
| 252 - 255 | Light ON (Layer 3 Master) | | | |
| 25 | 000 | 000 - 255 | LAYER 3 DIMMER Linear 0 – 100% | |

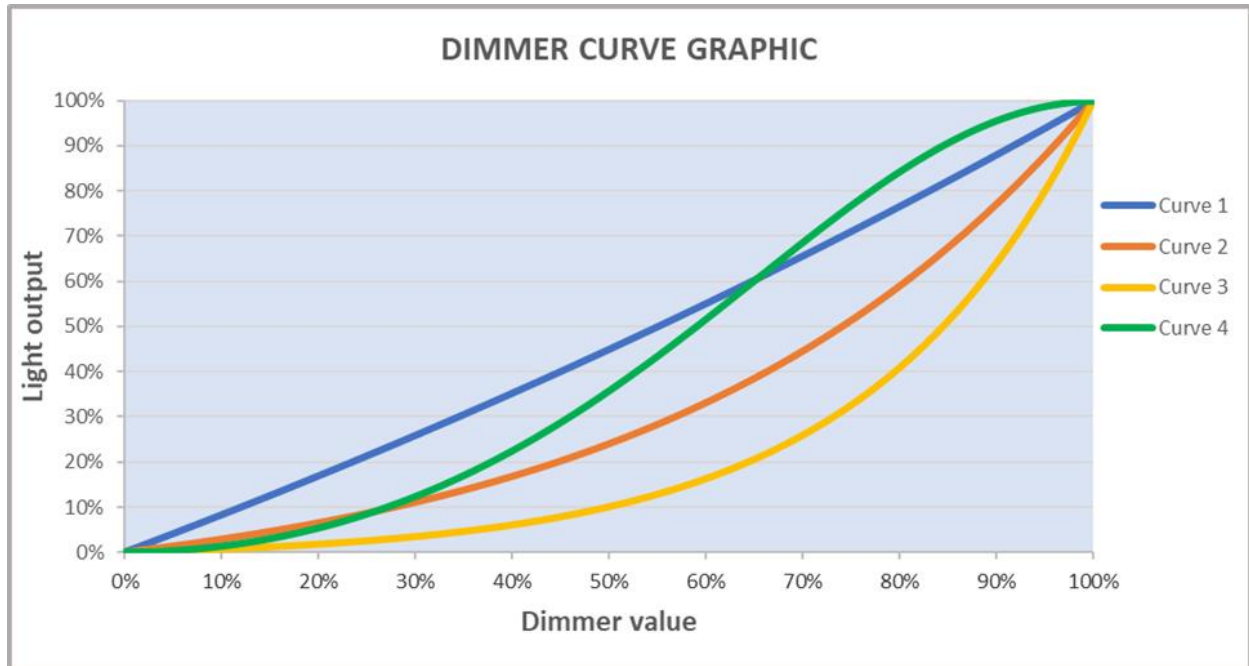
| Advanced | DMX Default Value | Bit Value | Function | |
|----------|-------------------|-----------|-----------------------------------------------------|----------------|
| 26 | 000 | | LAYER 4 STROBE ENGINE STROBE | |
| | | 000 - 005 | Light OFF | |
| | | 006 - 042 | Strobe Ramp Up effect | |
| | | 043 - 085 | Strobe Ramp Down effect | |
| | | 086 - 128 | Strobe Ramp Up, Down effect | |
| | | 129 - 171 | Strobe Random effect | |
| | | 172 - 214 | Strobe Lightning | |
| | | 215 - 255 | Strobe Spikes (Flash over low intensity) | |
| 27 | 000 | 000 - 255 | LAYER 4 STROBE ENGINE DIMMER Linear 0 – 100% | |
| 28 | 000 | 000 - 255 | LAYER 4 STROBE ENGINE DURATION | |
| 29 | 000 | | LAYER 4 STROBE ENGINE RATE | |
| | | 000 - 005 | OFF | |
| | | 006 - 255 | Strobe frequency from slow (0.3Hz) to fast (25Hz) | |
| 30 | 000 | | LAYER 4 STROBE EFFECT SELECTION | |
| | | 000 - 005 | Normal | |
| | | 006 - 130 | Static | |
| | | 131 - 255 | Dynamic | |
| 31 | 000 | | LAYER 4 STROBE EFFECT | |
| | | 000 - 007 | Effect 1 | |
| | | 008 - 015 | Effect 2 | |
| | | 016 - 023 | Effect 3 | |
| | | 024 - 248 | | |
| | | 249 - 255 | Effect 33 | |
| 32 | | | LAYER 4 INDEXING SPEED | |
| | 000 | 000 - 255 | Indexing → Static mode | |
| | 128 | 000 - 124 | Speed from fast to slow, forward | → Dynamic mode |
| | | 125 - 130 | STOP | |
| | | 131 - 255 | Speed from slow to fast, backward | |
| 33 | 000 | | LAYER 4 SHAPE STROBE FADE | |
| | | 000 - 005 | OFF | |
| | | 006 - 130 | Fade change from fast to slow | |
| | | 131 - 255 | Wake change from fast to slow | |

Function details – Pixels Engine

| RGB | DMX Default Value | Bit Value | Function |
|-----|-------------------|-----------|----------------------------------------------|
| 1 | | 000 - 255 | RED LED 1 Linear 0 – 100% |
| 2 | | 000 - 255 | GREEN LED 1 Linear 0 – 100% |
| 3 | | 000 - 255 | BLUE LED 1 Linear 0 – 100% |
| 4 | | 000 - 255 | RED LED 2 Linear 0 – 100% |
| 5 | | 000 - 255 | GREEN LED 2 Linear 0 – 100% |
| 6 | | 000 - 255 | BLUE LED 2 Linear 0 – 100% |
| ⋮ | | ⋮ | Functionality are the same for all the Led's |
| 43 | | 000 - 255 | RED LED 15 Linear 0 – 100% |
| 44 | | 000 - 255 | GREEN LED 15 Linear 0 – 100% |
| 45 | | 000 - 255 | BLUE LED 15 Linear 0 – 100% |

Function details – Pixels Engine

| Advanced | DMX Default Value | Bit Value | Function |
|----------|-------------------|-----------|----------------------------------------------|
| 1 | | 000 - 255 | WHITE LED 1 Linear 0 – 100% |
| 2 | | 000 - 255 | WHITE LED 2 Linear 0 – 100% |
| 3 | | 000 - 255 | WHITE LED 3 Linear 0 – 100% |
| ⋮ | | ⋮ | Functionality are the same for all the Led's |
| 13 | | 000 - 255 | WHITE LED 13 Linear 0 – 100% |
| 14 | | 000 - 255 | WHITE LED 14 Linear 0 – 100% |
| 15 | | 000 - 255 | WHITE LED 15 Linear 0 – 100% |



IMPORTANT NOTE: Dimmer Curve 5 has all the LEDs synchronized, for balanced behavior in white.

