

Kino Flo Select LED / Diva-Lite LED DMX Mapping

WHITE MODE



CHANNEL FUNCTION

| Channel | 8 BIT DIMMING | 16 BIT DIMMING |
|------------------|-----------------|----------------------------------|
| BASE ADDRESS | DIMMING | DIMMING (MOST SIGNIFICANT BYTE) |
| BASE ADDRESS + 1 | KELVIN (CCT) | DIMMING (LEAST SIGNIFICANT BYTE) |
| BASE ADDRESS + 2 | GREEN / MAGENTA | KELVIN (CCT) |
| BASE ADDRESS + 3 | | GREEN / MAGENTA |

6 channel mode (8 bit dimming)

DIMMING

8 bit DIMMING SQUARE

| DMX VALUE | DIM |
|---|----------|
| 0 to 255 | 0 to 100 |
| IF DMX VALUE < 51 then DIM = (DMX VALUE / 51) * 4 else DIM = 100 * ((DMX VALUE / 255) ^ 2) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 64 | 6.3 |
| 128 | 25.2 |
| 255 | 100.0 |

OR

8 bit DIMMING LINEAR

| DMX VALUE | DIM |
|---|----------|
| 0 to 255 | 0 to 100 |
| DIM = 100 * (DMX VALUE / 255) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 64 | 25.1 |
| 128 | 50.2 |
| 255 | 100.0 |

KELVIN

| DMX VALUE | KELVIN (CCT) |
|---------------------------------------|----------------|
| 0 to 255 | 2700k to 6500k |
| CCT = 2700 + DMX VALUE * (3800 / 255) | |
| DMX VALUE | KELVIN (CCT) |
| 0 | 2700 |
| 64 | 3654 |
| 128 | 4607 |
| 255 | 6500 |

GREEN / MAGENTA

M = Magenta G = Green

| DMX VALUE | G / M |
|------------|--------------|
| 0 to 255 | 100M to 100G |
| 0 to 11 | 0 G/M |
| 12 to 22 | 100 M |
| 23 to 121 | 99 M to 1 M |
| 122 to 133 | 0 G/M |
| 134 to 232 | 1 G to 99 G |
| 233 to 243 | 100 G |
| 244 to 255 | 0 G/M |

7 channel mode (16 bit dimming)

DIMMING

16 bit DIMMING SQUARE

| DMX VALUE (2 channels) | DIM |
|---|----------|
| 0 to 65535 | 0 to 100 |
| IF DMX VALUE < 13107 then DIM = (DMX VALUE / 13107) * 4 else DIM = 100 * ((DMX VALUE / 65535) ^ 2) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0 |
| 32768 | 25.0 |
| 49150 | 56.2 |
| 65535 | 100 |

OR

16 bit DIMMING LINEAR

| DMX VALUE (2 channels) | DIM |
|---|----------|
| 0 to 65535 | 0 to 100 |
| DIM = 100 * (DMX VALUE / 65535) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 32768 | 50.0 |
| 49150 | 75.0 |
| 65535 | 100.0 |

Kino Flo Select LED / Diva-Lite LED DMX Mapping GELS / HUE COLOR MODE



CHANNEL FUNCTION

| Channel | 8 BIT DIMMING | 16 BIT DIMMING |
|------------------|-----------------|----------------------------------|
| BASE ADDRESS | DIMMING | DIMMING (MOST SIGNIFICANT BYTE) |
| BASE ADDRESS + 1 | KELVIN (CCT) | DIMMING (LEAST SIGNIFICANT BYTE) |
| BASE ADDRESS + 2 | GREEN / MAGENTA | KELVIN (CCT) |
| BASE ADDRESS + 3 | GEL LIST | GREEN / MAGENTA |
| BASE ADDRESS + 4 | HUE ANGLE | GEL LIST |
| BASE ADDRESS + 5 | SATURATION | HUE ANGLE |
| BASE ADDRESS + 6 | N / A | SATURATION |

6 channel mode (8 bit dimming)

DIMMING

8 bit DIMMING SQUARE

| DMX VALUE | DIM |
|---|----------|
| 0 to 255 | 0 to 100 |
| IF DMX VALUE < 51 then DIM = (DMX VALUE / 51) * 4 else DIM = 100 * ((DMX VALUE / 255) ^ 2) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 64 | 6.3 |
| 128 | 25.2 |
| 255 | 100.0 |

OR

8 bit DIMMING LINEAR

| DMX VALUE | DIM |
|---|----------|
| 0 to 255 | 0 to 100 |
| DIM = 100 * (DMX VALUE / 255) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 64 | 25.1 |
| 128 | 50.2 |
| 255 | 100.0 |

KELVIN

| DMX VALUE | KELVIN (CCT) |
|---|----------------|
| 0 to 255 | 2500k to 9900k |
| if DMX VALUE <= 200 then CCT = 2500 + DMX VALUE * (4000 / 200) else CCT = 6500 + (DMX VALUE - 200) * (3400 / 55) | |
| DMX VALUE | KELVIN (CCT) |
| 0 | 2500 |
| 64 | 3780 |
| 128 | 5060 |
| 225 | 8045 |
| 255 | 9900 |

GREEN / MAGENTA

M = Magenta G = Green

| DMX VALUE | G / M |
|------------|--------------|
| 0 to 255 | 100M to 100G |
| 0 to 11 | 0 G/M |
| 12 to 22 | 100 M |
| 23 to 121 | 99 M to 1 M |
| 122 to 133 | 0 G/M |
| 134 to 232 | 1 G to 99 G |
| 233 to 243 | 100 G |
| 244 to 255 | 0 G/M |

7 channel mode (16 bit dimming)

DIMMING

16 bit DIMMING SQUARE

| DMX VALUE (2 channels) | DIM |
|---|----------|
| 0 to 65535 | 0 to 100 |
| IF DMX VALUE < 13107 then DIM = (DMX VALUE / 13107) * 4 else DIM = 100 * ((DMX VALUE / 65535) ^ 2) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0 |
| 32768 | 25.0 |
| 49150 | 56.2 |
| 65535 | 100 |

OR

16 bit DIMMING LINEAR

| DMX VALUE (2 channels) | DIM |
|---|----------|
| 0 to 65535 | 0 to 100 |
| DIM = 100 * (DMX VALUE / 65535) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 32768 | 50.0 |
| 49150 | 75.0 |
| 65535 | 100.0 |

HUE ANGLE

Active if Green / Magenta < 3
and GEL < 3

| DMX VALUE | Hue Angle |
|-------------------------------------|-----------|
| Hue Angle = DMX_VALUE * (360 / 255) | |
| DMX VALUE | Hue Angle |
| 0 | 0 |
| 64 | 90 |
| 128 | 181 |
| 255 | 360 |

SATURATION

Active if Green / Magenta < 3
and GEL < 3

| DMX VALUE | Saturation |
|----------------------------------|------------|
| Saturation = DMX_VALUE*(100/255) | |
| DMX VALUE | Saturation |
| 0 | 0 |
| 64 | 25 |
| 128 | 50 |
| 255 | 100 |

Kino Flo Select LED / Diva-Lite LED DMX Mapping GELS / HUE COLOR MODE



GEL LIST

Active if Green / Magenta < 3

| DMX VALUE | GEL | DMX VALUE | GEL | DMX VALUE | GEL | DMX VALUE | GEL |
|-----------|-------------------|-----------|-----------------|-----------|------------------|-----------|----------------|
| 4 | KF Candle Flame | 62 | Fire | 120 | Leaf Green | 178 | Pale Violet |
| 6 | KF Flo Warm White | 64 | Sunset Red | 122 | Fern Green | 180 | Just Blue |
| 8 | KF Flo Cool White | 66 | Pale Gold | 124 | Primary Green | 182 | Violet |
| 10 | KF LP Sodium Vpr | 68 | English Rose | 126 | Moss Green | 184 | Dark Blue |
| 12 | KF Mercury Vpr | 70 | Bastard Amber | 128 | Dark Y Green | 186 | Surprise Pink |
| 14 | KF 20K Blue Sky | 72 | Surprise Peach | 130 | Dark Green | 188 | Deeper Blue |
| 16 | KF Green Screen | 74 | Deep Gld Amber | 132 | Marine Blue | 190 | Special M Blue |
| 18 | KF Blue Screen | 76 | Dark Amber | 134 | Peacock Blue | 192 | Zenith Blue |
| 20 | Smokey Pink | 78 | Apricot | 136 | Med Blue-Green | 194 | Light Lavender |
| 22 | Dark Magenta | 80 | Gold Amber | 138 | Sp Steel Blue | 196 | Palace Blue |
| 24 | Bright Rose | 82 | Cosmetic Peach | 140 | Lagoon Blue | 198 | Lilac Tint |
| 26 | Pale Salmon | 84 | Deep Orange | 142 | Steel Blue | 200 | Deep Blue |
| 28 | Light Rose | 86 | Chocolate | 144 | Lighter Blue | 202 | Lavender Tint |
| 30 | Light Salmon | 88 | Orange | 146 | Summer Blue | 204 | Pale Lavender |
| 32 | Magenta | 90 | White Flame | 148 | Light Blue | 206 | Dark Lavender |
| 34 | Pink | 92 | Medium Amber | 150 | Moonlight Blue | 208 | Lavender |
| 36 | Rosy Amber | 94 | Pale Amber Gold | 152 | Pale Blue | 210 | Deep Lavender |
| 38 | Pale Red | 96 | Chrome Orange | 154 | Pale Navy Blue | 212 | Congo Blue |
| 40 | Scarlet | 98 | Straw Tint | 156 | Mist Blue | 214 | Rose Purple |
| 42 | Loving Amber | 100 | Straw | 158 | Bright Blue | 216 | Mauve |
| 44 | Pale Rose | 102 | Deep Straw | 160 | True Blue | 218 | Rose Pink |
| 46 | Medium Red | 104 | Deep Amber | 162 | Dark Steel Blue | 220 | Follies Pink |
| 48 | Gold Tint | 106 | Light Amber | 164 | Daylight Blue | 222 | Bright Pink |
| 50 | M Bastard Amber | 108 | Yellow | 166 | Slate Blue | 224 | Middle Rose |
| 52 | Bright Red | 110 | Medium Yellow | 168 | Medium Blue | 226 | Medium Pink |
| 54 | Flame Red | 112 | Spring Yellow | 170 | Sky Blue | 228 | Light Pink |
| 56 | Primary Red | 114 | Pale Yellow | 172 | Paler Lavender | 230 | Dark Pink |
| 58 | Light Red | 116 | Lime Green | 174 | Alice Blue | 232 | Flesh Pink |
| 60 | Dark Salmon | 118 | Pale Green | 176 | Special Lavender | | |

Kino Flo Select LED / Diva-Lite LED DMX Mapping

RGB COLOR MODE



CHANNEL FUNCTION

| Channel | 8 BIT DIMMING | 16 BIT DIMMING |
|------------------|-----------------|----------------------------------|
| BASE ADDRESS | DIMMING | DIMMING (MOST SIGNIFICANT BYTE) |
| BASE ADDRESS + 1 | KELVIN (CCT) | DIMMING (LEAST SIGNIFICANT BYTE) |
| BASE ADDRESS + 2 | GREEN / MAGENTA | KELVIN (CCT) |
| BASE ADDRESS + 3 | RED | GREEN / MAGENTA |
| BASE ADDRESS + 4 | GREEN | RED |
| BASE ADDRESS + 5 | BLUE | GREEN |
| BASE ADDRESS + 6 | N / A | BLUE |

6 channel mode (8 bit dimming)

DIMMING

8 bit DIMMING SQUARE

| DMX VALUE | DIM |
|---|----------|
| 0 to 255 | 0 to 100 |
| IF DMX VALUE < 51 then DIM = (DMX VALUE / 51) * 4 else DIM = 100 * ((DMX VALUE / 255) ^ 2) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 64 | 6.3 |
| 128 | 25.2 |
| 255 | 100.0 |

OR

8 bit DIMMING LINEAR

| DMX VALUE | DIM |
|---|----------|
| 0 to 255 | 0 to 100 |
| DIM = 100 * (DMX VALUE / 255) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 64 | 25.1 |
| 128 | 50.2 |
| 255 | 100.0 |

KELVIN

| DMX VALUE | KELVIN (CCT) |
|---|----------------|
| 0 to 255 | 2500k to 9900k |
| if DMX VALUE <= 200 then CCT = 2500 + DMX VALUE * (4000 / 200) else CCT = 6500 + (DMX VALUE - 200) * (3400 / 55) | |
| DMX VALUE | KELVIN (CCT) |
| 0 | 2500 |
| 64 | 3780 |
| 128 | 5060 |
| 225 | 8045 |
| 255 | 9900 |

GREEN / MAGENTA

M = Magenta G = Green

| DMX VALUE | G / M |
|------------|--------------|
| 0 to 255 | 100M to 100G |
| 0 to 11 | 0 G/M |
| 12 to 22 | 100 M |
| 23 to 121 | 99 M to 1 M |
| 122 to 133 | 0 G/M |
| 134 to 232 | 1 G to 99 G |
| 233 to 243 | 100 G |
| 244 to 255 | 0 G/M |

7 channel mode (16 bit dimming)

DIMMING

16 bit DIMMING SQUARE

| DMX VALUE (2 channels) | DIM |
|---|----------|
| 0 to 65535 | 0 to 100 |
| IF DMX VALUE < 13107 then DIM = (DMX VALUE / 13107) * 4 else DIM = 100 * ((DMX VALUE / 65535) ^ 2) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0 |
| 32768 | 25.0 |
| 49150 | 56.2 |
| 65535 | 100 |

OR

16 bit DIMMING LINEAR

| DMX VALUE (2 channels) | DIM |
|---|----------|
| 0 to 65535 | 0 to 100 |
| DIM = 100 * (DMX VALUE / 65535) If DIM > 0 AND < 0.1 then DIM = 0.1 | |
| DMX VALUE | DIM |
| 0 | 0.0 |
| 32768 | 50.0 |
| 49150 | 75.0 |
| 65535 | 100.0 |

RED / GREEN / BLUE

Active if Green / Magenta < 3

| DMX VALUE | RED / GREEN / BLUE |
|--------------------------------|--------------------|
| RED / GREEN / BLUE = DMX VALUE | |
| DMX VALUE | RED / GREEN / BLUE |
| 0 | 0 |
| 64 | 64 |
| 128 | 128 |
| 255 | 255 |