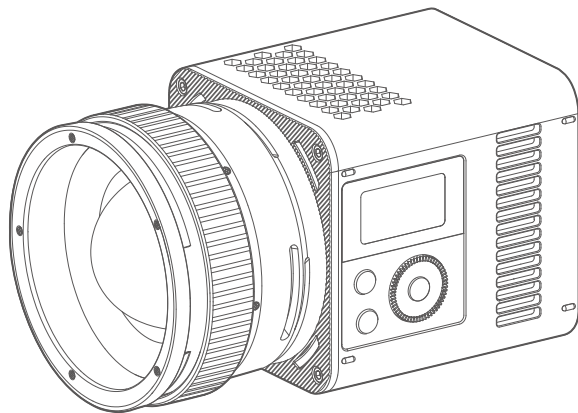


# Godox



## ML150Bi

**DMX 模式表**

DMX Mode Specification

DMX控制优先关系：DMX > 蓝牙

01: CCT 8Bit 模式 & 03: CCT 16Bit 模式

| DMX 通道 |       | 功能  | 参数名 | DMX值 8Bit |     | 实际参数值 8Bit |       | DMX值 16Bit |       | 实际参数值 16Bit |       |
|--------|-------|-----|-----|-----------|-----|------------|-------|------------|-------|-------------|-------|
| 8Bit   | 16Bit | CCT |     | 起始值       | 结束值 | 起始值        | 结束值   | 起始值        | 结束值   | 起始值         | 结束值   |
| 1      | 1-2   |     | 亮度  | 0         | 255 | 0%         | 100%  | 0          | 65535 | 0%          | 100%  |
| 2      | 3-4   |     | 色温  | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |

02: FX 8Bit 模式 & 04: FX 16Bit 模式

| DMX 通道 |       | 功能   | 参数名  | DMX值 8Bit |     | 实际参数值 8Bit |       | DMX值 16Bit |       | 实际参数值 16Bit |       |
|--------|-------|------|------|-----------|-----|------------|-------|------------|-------|-------------|-------|
| 8Bit   | 16Bit |      |      | 起始值       | 结束值 | 起始值        | 结束值   | 起始值        | 结束值   | 起始值         | 结束值   |
| 1      | 1-2   | FX模式 | 亮度   | 0         | 255 | 0%         | 100%  | 0          | 65535 | 0%          | 100%  |
| 2      | 3     | FX光效 | 光效类型 | 0         | 9   | 光效关闭       |       | 0          | 9     | 光效关闭        |       |
|        |       |      |      | 10        | 19  | 闪光灯        |       | 10         | 19    | 闪光灯         |       |
|        |       |      |      | 20        | 29  | 雷闪电        |       | 20         | 29    | 雷闪电         |       |
|        |       |      |      | 30        | 39  | 多云         |       | 30         | 39    | 多云          |       |
|        |       |      |      | 40        | 49  | 坏灯泡        |       | 40         | 49    | 坏灯泡         |       |
|        |       |      |      | 50        | 59  | TV         |       | 50         | 59    | TV          |       |
|        |       |      |      | 60        | 69  | 蜡烛         |       | 60         | 69    | 蜡烛          |       |
|        |       |      |      | 70        | 79  | 火          |       | 70         | 79    | 火           |       |
|        |       |      |      | 80        | 89  | 烟花         |       | 80         | 89    | 烟花          |       |
|        |       |      |      | 90        | 99  | 爆炸         |       | 90         | 99    | 爆炸          |       |
|        |       |      |      | 100       | 109 | 焊接         |       | 100        | 109   | 焊接          |       |
|        |       |      |      | 110       | 119 | SOS        |       | 110        | 119   | SOS         |       |
|        |       |      |      | 120       | 255 | 预留         |       | 120        | 255   | 预留          |       |
| 3      | 4-5   | 闪光灯  | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 4      | 6-7   |      | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 5      | 8-9   |      | 模式   | 0         | 255 | 0闪光灯       | 1镁光灯  | 0          | 65535 | 0闪光灯        | 1镁光灯  |
| 3      | 4-5   | 雷闪电  | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 4      | 6-7   |      | 次数   | 0         | 255 | 随机         | 10    | 0          | 65535 | 随机          | 10    |
| 5      | 8-9   |      | 频率   | 0         | 255 | 随机         | 20    | 0          | 65535 | 随机          | 20    |
| 3      | 4-5   | 多云   | 亮暗比例 | 0         | 255 | 30%        | 90%   | 0          | 65535 | 30%         | 90%   |
| 4      | 6-7   |      | 速度   | 0         | 255 | 随机         | 100   | 0          | 65535 | 随机          | 100   |
| 3      | 4-5   | 坏灯泡  | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 4      | 6-7   |      | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 3      | 4-5   | TV   | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 3      | 4-5   | 蜡烛   | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |

| DMX 通道 |       | 功能  | 参数名 | DMX值 8Bit |     | 实际参数值 8Bit |       | DMX值 16Bit |       | 实际参数值 16Bit |       |
|--------|-------|-----|-----|-----------|-----|------------|-------|------------|-------|-------------|-------|
| 8Bit   | 16Bit |     |     | 起始值       | 结束值 | 起始值        | 结束值   | 起始值        | 结束值   | 起始值         | 结束值   |
| 3      | 4~5   | 火   | 速度  | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 3      | 4~5   | 烟花  | 速度  | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 4      | 6~7   |     | 余烬  | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 3      | 4~5   | 爆炸  | 色温  | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 4      | 6~7   |     | 速度  | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 5      | 8~9   |     | 余烬  | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 3      | 4~5   | 焊接  | 色温  | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 4      | 6~7   |     | 速度  | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 3      | 4~5   | SOS | 色温  | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |

05: Ultimate 8Bit DMX 模式 & 06: Ultimate 16Bit DMX 模式

| DMX 通道 |       | 功能   | 参数名  | DMX值 8Bit |     | 实际参数值 8Bit |      | DMX值 16Bit |       | 实际参数值 16Bit |      |
|--------|-------|------|------|-----------|-----|------------|------|------------|-------|-------------|------|
| 8Bit   | 16Bit |      |      | 起始值       | 结束值 | 起始值        | 结束值  | 起始值        | 结束值   | 起始值         | 结束值  |
| 1      | 1~2   |      | 亮度   | 0         | 255 | 0%         | 100% | 0          | 65535 | 0%          | 100% |
| 2      | 3     |      | 模式选择 | 0         | 9   | CCT模式      |      | 0          | 9     | CCT模式       |      |
|        |       |      |      | 10        | 19  | FX模式       |      | 10         | 19    | FX模式        |      |
|        |       |      |      | 20        | 255 | 预留         |      | 20         | 255   | 预留          |      |
| 3~6    | 4~10  | 颜色参数 |      |           |     |            |      |            |       |             |      |

Ultimate 8Bit DMX 模式 & Ultimate 16Bit DMX 模式中 CCT 参数

| DMX 通道 |       | 功能  | 参数名 | DMX值 8Bit |     | 实际参数值 8Bit |       | DMX值 16Bit |       | 实际参数值 16Bit |       |
|--------|-------|-----|-----|-----------|-----|------------|-------|------------|-------|-------------|-------|
| 8Bit   | 16Bit | CCT |     | 起始值       | 结束值 | 起始值        | 结束值   | 起始值        | 结束值   | 起始值         | 结束值   |
| 3      | 4~5   |     | 色温  | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |

Ultimate 8Bit DMX 模式 & Ultimate 16Bit DMX 模式中 FX 参数

| DMX 通道 |       | 功能   | 参数名  | DMX值 8Bit |     | 实际参数值 8Bit |       | DMX值 16Bit |       | 实际参数值 16Bit |       |
|--------|-------|------|------|-----------|-----|------------|-------|------------|-------|-------------|-------|
| 8Bit   | 16Bit |      |      | 起始值       | 结束值 | 起始值        | 结束值   | 起始值        | 结束值   | 起始值         | 结束值   |
| 3      | 4     | FX光效 | 光效类型 | 0         | 9   | 光效关闭       |       | 0          | 9     | 光效关闭        |       |
|        |       |      |      | 10        | 19  | 闪光灯        |       | 10         | 19    | 闪光灯         |       |
|        |       |      |      | 20        | 29  | 雷闪电        |       | 20         | 29    | 雷闪电         |       |
|        |       |      |      | 30        | 39  | 多云         |       | 30         | 39    | 多云          |       |
|        |       |      |      | 40        | 49  | 坏灯泡        |       | 40         | 49    | 坏灯泡         |       |
|        |       |      |      | 50        | 59  | TV         |       | 50         | 59    | TV          |       |
|        |       |      |      | 60        | 69  | 蜡烛         |       | 60         | 69    | 蜡烛          |       |
|        |       |      |      | 70        | 79  | 火          |       | 70         | 79    | 火           |       |
|        |       |      |      | 80        | 89  | 烟花         |       | 80         | 89    | 烟花          |       |
|        |       |      |      | 90        | 99  | 爆炸         |       | 90         | 99    | 爆炸          |       |
|        |       |      |      | 100       | 109 | 焊接         |       | 100        | 109   | 焊接          |       |
|        |       |      |      | 110       | 119 | SOS        |       | 110        | 119   | SOS         |       |
|        |       |      |      | 120       | 255 | 预留         |       | 120        | 255   | 预留          |       |
| 4      | 5-6   | 闪光灯  | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 5      | 7-8   |      | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 6      | 9-10  |      | 模式   | 0         | 255 | 0闪光灯       | 1镁光灯  | 0          | 65535 | 0闪光灯        | 1镁光灯  |
| 4      | 5-6   | 雷闪电  | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 5      | 7-8   |      | 次数   | 0         | 255 | 随机         | 10    | 0          | 65535 | 随机          | 10    |
| 6      | 9-10  |      | 频率   | 0         | 255 | 随机         | 20    | 0          | 65535 | 随机          | 20    |
| 4      | 5-6   | 多云   | 亮暗比例 | 0         | 255 | 30%        | 90%   | 0          | 65535 | 30%         | 90%   |
| 5      | 7-8   |      | 速度   | 0         | 255 | 随机         | 100   | 0          | 65535 | 随机          | 100   |
| 4      | 5-6   | 坏灯泡  | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 5      | 7-8   |      | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 4      | 5-6   | TV   | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 4      | 5-6   | 蜡烛   | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 4      | 5-6   | 火    | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 4      | 5-6   |      | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 5      | 7-8   |      | 余烬   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 4      | 5-6   | 爆炸   | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 5      | 7-8   |      | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 6      | 9-10  |      | 余烬   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 4      | 5-6   | 焊接   | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |
| 5      | 7-8   |      | 速度   | 0         | 255 | 1          | 100   | 0          | 65535 | 1           | 100   |
| 4      | 5-6   | SOS  | 色温   | 0         | 255 | 2800K      | 6500K | 0          | 65535 | 2800K       | 6500K |

## 计算公式

### 计算亮度

8Bit

$$\text{DMX 数值} = \frac{\text{亮度数值}}{0.3922}$$

$$\text{亮度数值} = \text{DMX 数值} \times 0.3922$$

16Bit

$$\text{DMX 数值} = \frac{\text{亮度数值}}{0.001526}$$

$$\text{亮度数值} = \text{DMX 数值} \times 0.001526$$

### 计算色温

8Bit

$$\text{DMX 数值} = \frac{\text{色温数值} - 2800}{14.51}$$

$$\text{色温数值} = \text{DMX 数值} \times 14.51 + 2800$$

16Bit

$$\text{DMX 数值} = \frac{\text{色温数值} - 2800}{0.056458}$$

$$\text{色温数值} = \text{DMX 数值} \times 0.056458 + 2800$$

DMX Control Priority: DMX > Bluetooth

01: CCT 8Bit Mode & 03: CCT 16Bit Mode

| DMX channel |       | Function | Parameter  | DMX value 8Bit |        | Actual value 8Bit |        | DMX value 16Bit |        | Actual value 16Bit |        |
|-------------|-------|----------|------------|----------------|--------|-------------------|--------|-----------------|--------|--------------------|--------|
| 8Bit        | 16Bit | CCT      |            | Starting       | Ending | Starting          | Ending | Starting        | Ending | Starting           | Ending |
| 1           | 1-2   |          | Brightness | 0              | 255    | 0%                | 100%   | 0               | 65535  | 0%                 | 100%   |
| 2           | 3-4   |          | CCT        | 0              | 255    | 2800K             | 6500K  | 0               | 65535  | 2800K              | 6500K  |

02: FX 8Bit Mode & 04: FX 16Bit Mode

| DMX channel |       | Function    | Parameter   | DMX value 8Bit |        | Actual value 8Bit |              | DMX value 16Bit |        | Actual value 16Bit |              |
|-------------|-------|-------------|-------------|----------------|--------|-------------------|--------------|-----------------|--------|--------------------|--------------|
| 8Bit        | 16Bit |             |             | Starting       | Ending | Starting          | Ending       | Starting        | Ending | Starting           | Ending       |
| 1           | 1-2   | FX mode     | Brightness  | 0              | 255    | 0%                | 100%         | 0               | 65535  | 0%                 | 100%         |
| 2           | 3     | FX          | Effect type | 0              | 9      | Off               |              | 0               | 9      | Off                |              |
|             |       |             |             | 10             | 19     | Flash             |              | 10              | 19     | Flash              |              |
|             |       |             |             | 20             | 29     | Lightning         |              | 20              | 29     | Lightning          |              |
|             |       |             |             | 30             | 39     | Cloudy            |              | 30              | 39     | Cloudy             |              |
|             |       |             |             | 40             | 49     | Broken Bulb       |              | 40              | 49     | Broken Bulb        |              |
|             |       |             |             | 50             | 59     | TV                |              | 50              | 59     | TV                 |              |
|             |       |             |             | 60             | 69     | Candle            |              | 60              | 69     | Candle             |              |
|             |       |             |             | 70             | 79     | Fire              |              | 70              | 79     | Fire               |              |
|             |       |             |             | 80             | 89     | Firework          |              | 80              | 89     | Firework           |              |
|             |       |             |             | 90             | 99     | Explosion         |              | 90              | 99     | Explosion          |              |
|             |       |             |             | 100            | 109    | Welding           |              | 100             | 109    | Welding            |              |
|             |       |             |             | 110            | 119    | SOS               |              | 110             | 119    | SOS                |              |
|             |       |             |             | 120            | 255    | Preset            |              | 120             | 255    | Preset             |              |
| 3           | 4-5   | Flash       | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |
| 4           | 6-7   |             | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 5           | 8-9   |             | Mode        | 0              | 255    | 0 Camera flash    | 1 Flash bulb | 0               | 65535  | 0 Camera flash     | 1 Flash bulb |
| 3           | 4-5   | Lightning   | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |
| 4           | 6-7   |             | Times       | 0              | 255    | Random            | 10           | 0               | 65535  | Random             | 10           |
| 5           | 8-9   |             | Frequency   | 0              | 255    | Random            | 20           | 0               | 65535  | Random             | 20           |
| 3           | 4-5   | Cloudy      | Ratio       | 0              | 255    | 30%               | 90%          | 0               | 65535  | 30%                | 90%          |
| 4           | 6-7   |             | Speed       | 0              | 255    | Random            | 100          | 0               | 65535  | Random             | 100          |
| 3           | 4-5   | Broken Bulb | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |
| 4           | 6-7   |             | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 3           | 4-5   | TV          | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 3           | 4-5   | Candle      | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |

| DMX channel |       | Function  | Parameter | DMX value 8Bit |        | Actual value 8Bit |        | DMX value 16Bit |        | Actual value 16Bit |        |     |
|-------------|-------|-----------|-----------|----------------|--------|-------------------|--------|-----------------|--------|--------------------|--------|-----|
| 8Bit        | 16Bit |           |           | Starting       | Ending | Starting          | Ending | Starting        | Ending | Starting           | Ending |     |
| 3           | 4-5   | Fire      | Speed     | 0              | 255    | 1                 | 100    | 0               | 65535  | 1                  | 100    |     |
| 3           | 4-5   |           | Firework  | Speed          | 0      | 255               | 1      | 100             | 0      | 65535              | 1      | 100 |
| 4           | 6-7   |           |           | Embers         | 0      | 255               | 1      | 100             | 0      | 65535              | 1      | 100 |
| 3           | 4-5   | Explosion | CCT       | 0              | 255    | 2800K             | 6500K  | 0               | 65535  | 2800K              | 6500K  |     |
| 4           | 6-7   |           |           | Speed          | 0      | 255               | 1      | 100             | 0      | 65535              | 1      | 100 |
| 5           | 8-9   |           |           | Embers         | 0      | 255               | 1      | 100             | 0      | 65535              | 1      | 100 |
| 3           | 4-5   | Welding   | CCT       | 0              | 255    | 2800K             | 6500K  | 0               | 65535  | 2800K              | 6500K  |     |
| 4           | 6-7   |           |           | Speed          | 0      | 255               | 1      | 100             | 0      | 65535              | 1      | 100 |
| 3           | 4-5   | SOS       | CCT       | 0              | 255    | 2800K             | 6500K  | 0               | 65535  | 2800K              | 6500K  |     |

05: Ultimate 8Bit DMX Mode & 06: Ultimate 16Bit DMX Mode

| DMX channel |       | Function | Parameter       | DMX value 8Bit |        | Actual value 8Bit |        | DMX value 16Bit |        | Actual value 16Bit |        |
|-------------|-------|----------|-----------------|----------------|--------|-------------------|--------|-----------------|--------|--------------------|--------|
| 8Bit        | 16Bit |          |                 | Starting       | Ending | Starting          | Ending | Starting        | Ending | Starting           | Ending |
| 1           | 1-2   |          | Brightness      | 0              | 255    | 0%                | 100%   | 0               | 65535  | 0%                 | 100%   |
| 2           | 3     |          | Mode selection  | 0              | 9      | CCT mode          |        | 0               | 9      | CCT mode           |        |
|             |       |          |                 | 10             | 19     | FX mode           |        | 10              | 19     | FX mode            |        |
|             |       |          |                 | 20             | 255    | Preset            |        | 20              | 255    | Preset             |        |
| 3-6         | 4-10  |          | Color parameter |                |        |                   |        |                 |        |                    |        |

CCT parameter in Ultimate 8Bit DMX Mode & Ultimate 16Bit DMX Mode

| DMX channel |       | Function | Parameter | DMX value 8Bit |        | Actual value 8Bit |        | DMX value 16Bit |        | Actual value 16Bit |        |
|-------------|-------|----------|-----------|----------------|--------|-------------------|--------|-----------------|--------|--------------------|--------|
| 8Bit        | 16Bit |          |           | Starting       | Ending | Starting          | Ending | Starting        | Ending | Starting           | Ending |
| 3           | 4-5   | CCT      |           |                |        |                   |        |                 |        |                    |        |
|             |       |          | CCT       | 0              | 255    | 2800K             | 6500K  | 0               | 65535  | 2800K              | 6500K  |

FX parameter in Ultimate 8Bit DMX Mode & Ultimate 16Bit DMX Mode

| DMX channel |       | Function    | Parameter   | DMX value 8Bit |        | Actual value 8Bit |              | DMX value 16Bit |        | Actual value 16Bit |              |
|-------------|-------|-------------|-------------|----------------|--------|-------------------|--------------|-----------------|--------|--------------------|--------------|
| 8Bit        | 16Bit |             |             | Starting       | Ending | Starting          | Ending       | Starting        | Ending | Starting           | Ending       |
| 3           | 4     | FX          | Effect type | 0              | 9      | Off               |              | 0               | 9      | Off                |              |
|             |       |             |             | 10             | 19     | Flash             |              | 10              | 19     | Flash              |              |
|             |       |             |             | 20             | 29     | Lightning         |              | 20              | 29     | Lightning          |              |
|             |       |             |             | 30             | 39     | Cloudy            |              | 30              | 39     | Cloudy             |              |
|             |       |             |             | 40             | 49     | Broken Bulb       |              | 40              | 49     | Broken Bulb        |              |
|             |       |             |             | 50             | 59     | TV                |              | 50              | 59     | TV                 |              |
|             |       |             |             | 60             | 69     | Candle            |              | 60              | 69     | Candle             |              |
|             |       |             |             | 70             | 79     | Fire              |              | 70              | 79     | Fire               |              |
|             |       |             |             | 80             | 89     | Firework          |              | 80              | 89     | Firework           |              |
|             |       |             |             | 90             | 99     | Explosion         |              | 90              | 99     | Explosion          |              |
|             |       |             |             | 100            | 109    | Welding           |              | 100             | 109    | Welding            |              |
|             |       |             |             | 110            | 119    | SOS               |              | 110             | 119    | SOS                |              |
|             |       |             |             | 120            | 255    | Preset            |              | 120             | 255    | Preset             |              |
| 4           | 5-6   | Flash       | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |
| 5           | 7-8   |             | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 6           | 9-10  |             | Mode        | 0              | 255    | 0 Camera flash    | 1 Flash bulb | 0               | 65535  | 0 Camera flash     | 1 Flash bulb |
| 4           | 5-6   | Lightning   | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |
| 5           | 7-8   |             | Times       | 0              | 255    | Random            | 10           | 0               | 65535  | Random             | 10           |
| 6           | 9-10  |             | Frequency   | 0              | 255    | Random            | 20           | 0               | 65535  | Random             | 20           |
| 4           | 5-6   | Cloudy      | Ratio       | 0              | 255    | 30%               | 90%          | 0               | 65535  | 30%                | 90%          |
| 5           | 7-8   |             | Speed       | 0              | 255    | Random            | 100          | 0               | 65535  | Random             | 100          |
| 4           | 5-6   | Broken Bulb | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |
| 5           | 7-8   |             | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 4           | 5-6   | TV          | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 4           | 5-6   | Candle      | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 4           | 5-6   | Fire        | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 4           | 5-6   | Firework    | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 5           | 7-8   |             | Embers      | 0              | 255    | 0                 | 100          | 0               | 65535  | 0                  | 100          |
| 4           | 5-6   | Explosion   | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |
| 5           | 7-8   |             | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 6           | 9-10  |             | Embers      | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 4           | 5-6   | Welding     | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |
| 5           | 7-8   |             | Speed       | 0              | 255    | 1                 | 100          | 0               | 65535  | 1                  | 100          |
| 4           | 5-6   | SOS         | CCT         | 0              | 255    | 2800K             | 6500K        | 0               | 65535  | 2800K              | 6500K        |

## Calculation Formula:

### Brightness

8Bit

$$\text{DMX value} = \frac{\text{Brightness value}}{0.3922}$$

$$\text{Brightness value} = \text{DMX value} \times 0.3922$$

16Bit

$$\text{DMX value} = \frac{\text{Brightness value}}{0.001526}$$

$$\text{Brightness value} = \text{DMX value} \times 0.001526$$

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### CCT

8Bit

$$\text{DMX value} = \frac{\text{CCT value} - 2800}{14.51}$$

$$\text{CCT value} = \text{DMX value} \times 14.51 + 2800$$

16Bit

$$\text{DMX value} = \frac{\text{CCT value} - 2800}{0.056458}$$

$$\text{CCT value} = \text{DMX value} \times 0.056458 + 2800$$

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