

# DMX PROTOCOL

# A

| Channel | Value     | Percent  | Function   |
|---------|-----------|----------|--|
| 1       | 0 - 89    | 0 - 35   | <b>Reset and lamp power</b>                          |
|         | 90 - 119  | 35 - 46  | No function  |
|         | 120 - 149 | 47 - 58  | Reset (time > 5 sec.)                                |
|         | 150 - 199 | 59 - 78  | No function  |
|         | 200 - 249 | 78 - 98  | Lamp on  |
|         | 250 - 255 | 98 - 100 | No function<br>Lamp off (w/ Ch. 2 < 3 & Ch. 4 > 252) |
| 2       | 0 - 255   | 0 - 100  | <b>Dimmer</b><br>Closed to Open                      |
| 3       | 0 - 144   | 0 - 56   | <b>Color Wheel</b>                                   |
|         | 0         | 0        | <b>Continuous scroll</b><br>Open                     |
|         | 16        | 6        | Color 1 (blue 108)                                   |
|         | 32        | 12       | Color 2 (green 206)                                  |
|         | 48        | 18       | Color 3 (yellow 603)                                 |
|         | 64        | 25       | Color 4 (red 308)                                    |
|         | 80        | 31       | Color 5 (-)  |
|         | 96        | 37       | Color 6 (-)  |
|         | 112       | 44       | Color 7 (-)  |
|         | 128       | 50       | Color 8 (-)  |
|         | 144       | 56       | Color 9 (-)  |
|         | 145 - 185 | 57 - 72  | <b>Stepped scroll</b>                                |
|         | 145 - 148 | 57 - 58  | Color 9 (-)  |
|         | 149 - 152 | 58 - 59  | Color 8 (-)  |
|         | 153 - 156 | 60 - 61  | Color 7 (-)  |
|         | 157 - 160 | 61 - 63  | Color 6 (-)  |
|         | 161 - 164 | 63 - 64  | Color 5 (-)  |
|         | 165 - 168 | 65 - 66  | Color 4 (red 308)                                    |
|         | 169 - 172 | 66 - 67  | Color 3 (yellow 603)                                 |
|         | 173 - 176 | 68 - 69  | Color 2 (green 206)                                  |
|         | 177 - 180 | 69 - 70  | Color 1 (blue 108)                                   |
|         | 181 - 185 | 71 - 72  | Open   |
|         | 186 - 220 | 73 - 86  | <b>Continuous rotation</b>                           |
|         | 221 - 255 | 87 - 100 | <b>CW, fast to slow</b><br><b>CCW, slow to fast</b>  |
| 4       | 0 - 1     | 0        | <b>Twinkle Wheel</b><br>Stop/Open                    |
|         | 2 - 125   | 0 - 49   | CW, slow to fast                                     |
|         | 126 - 131 | 49 - 51  | Stop   |
|         | 132 - 255 | 52 - 100 | CCW, fast to slow                                    |
| 5       | 0 - 2     | 0        | <b>Color Speed</b><br>Tracking (speed function off)  |
|         | 3 - 5     | 1        | Fast speed with shortcut enabled                     |
|         | 6 - 255   | 2 - 100  | Fast to slow, shortcut disabled                      |