

# DMX CHART



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## DMX Values

107 Ch

| Channel   | Function  | Value     | Percent/Setting  |
|-----------|---|-----------|--|
| 1         | Pan   | 000 ⇄ 255 | 0-100%   |
| 2         | Fine Pan  | 000 ⇄ 255 | Fine control (16-bit)                                    |
| 3         | Tilt  | 000 ⇄ 255 | 0-100%   |
| 4         | Fine Tilt                                       | 000 ⇄ 255 | Fine control (16-bit)                                    |
| 5         | Pan/Tilt Speed                                  | 000 ⇄ 255 | 0-100%   |
| 6         | Dimmer  | 000 ⇄ 255 | 0-100%   |
| 7         | Fine Dimmer                                     | 000 ⇄ 255 | Fine control (16-bit)                                    |
| 8         | Shutter   | 000 ⇄ 019 | off  |
|           |   | 020 ⇄ 024 | on   |
|           |   | 025 ⇄ 064 | strobe 1 with decreasing speed                           |
|           |   | 065 ⇄ 069 | on   |
|           |   | 070 ⇄ 084 | strobe 2 (fast on slow off) with decreasing speed        |
|           |   | 085 ⇄ 089 | on   |
|           |   | 090 ⇄ 104 | strobe 3 (slow on fast off) with decreasing speed        |
|           |   | 105 ⇄ 109 | on   |
|           |   | 110 ⇄ 124 | strobe 4 (random strobe) with decreasing speed           |
|           |   | 125 ⇄ 129 | on   |
|           |   | 130 ⇄ 144 | strobe 5 (random fast on slow off) with decreasing speed |
|           |   | 145 ⇄ 149 | on   |
|           |   | 150 ⇄ 164 | strobe 6 (random slow on fast off) with decreasing speed |
|           |   | 165 ⇄ 169 | on   |
|           |   | 170 ⇄ 184 | strobe 7 (pulse strobe) with decreasing speed            |
|           |   | 185 ⇄ 189 | on   |
|           |   | 190 ⇄ 204 | strobe 8 (random pulse strobe) with decreasing speed     |
| 205 ⇄ 209 | on  |           |  |
| 210 ⇄ 224 | strobe 9 (fade on or off) with decreasing speed |           |  |
| 225 ⇄ 229 | on  |           |  |
| 230 ⇄ 244 | strobe 10 (pulse strobe) with decreasing speed  |           |  |
| 245 ⇄ 255 | on  |           |  |
| 9         | CTC   | 000       | No function  |
|           |   | 001 ⇄ 255 | 2800 to 10,000K  |
| 10        | Color   | 000       | No function  |
|           |   | 001 ⇄ 002 | 2700K R:156 G: 118 B: 0 W: 63                            |
|           |   | 003 ⇄ 004 | 3200K R:156 G: 141 B: 5 W: 89                            |
|           |   | 005 ⇄ 006 | 4200K R:156 G: 141 B: 14 W: 255                          |
|           |   | 007 ⇄ 008 | 5600K R:156 G: 207 B: 54 W: 255                          |
|           |   | 009 ⇄ 010 | 8000K R:130 G: 255 B: 96 W: 255                          |
|           |   | 11        | Blue R: 0 G: 0 B: 255 W: 0                               |
|           |   | 012 ⇄ 048 | R: 0 G: + B: 255 W: 0                                    |
|           |   | 049       | Cyan R: 0 G: 255 B: 255 W: 0                             |
|           |   | 050 ⇄ 086 | R: 0 G: 255 B: - W: 0                                    |
|           |   | 087       | Green R: 0 G: 255 B: 0 W: 0                              |
|           |   | 088 ⇄ 124 | R: + G: 255 B: 0 W: 0                                    |
|           |   | 125       | Yellow R: 255 G: 255 B: 0 W: 0                           |
|           |   | 126 ⇄ 162 | R: 255 G: - B: 0 W: 0                                    |
|           |   | 163       | Red R: 255 G: 0 B: 0 W: 0                                |
|           |   | 164 ⇄ 200 | R: 255 G: 0 B: + W: 0                                    |
|           |   | 201       | Magenta R: 255 G: 0 B: 255 W: 0                          |
|           |   | 202 ⇄ 238 | R: - G: 0 B: 255 W: 0                                    |
|           |   | 239       | Blue R: 0 G: 0 B: 255 W: 0                               |
|           |   | 240 ⇄ 247 | Color change, fast to slow                               |
| 248 ⇄ 255 | Color jump, fast to slow                        |           |  |

| Channel | Function | Value     | Percent/Setting |
|---------|----------|-----------|-----------------|
| 11      | Gobo     | 000 ⇔ 003 | No function     |
|         |          | 004 ⇔ 006 | Gobo 1          |
|         |          | 007 ⇔ 009 | Gobo 2          |
|         |          | 010 ⇔ 012 | Gobo 3          |
|         |          | 013 ⇔ 015 | Gobo 4          |
|         |          | 016 ⇔ 018 | Gobo 5          |
|         |          | 019 ⇔ 021 | Gobo 6          |
|         |          | 022 ⇔ 024 | Gobo 7          |
|         |          | 025 ⇔ 027 | Gobo 8          |
|         |          | 028 ⇔ 030 | Gobo 9          |
|         |          | 031 ⇔ 033 | No Gobo         |

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| Channel   | Function | Value     | Percent/Setting |
|-----------|----------|-----------|-----------------|
| 11        | Gobo     | 034 ⇄ 036 | Gobo 10         |
|           |          | 037 ⇄ 039 | Gobo 11         |
|           |          | 040 ⇄ 042 | Gobo 12         |
|           |          | 043 ⇄ 045 | Gobo 13         |
|           |          | 046 ⇄ 048 | Gobo 14         |
|           |          | 049 ⇄ 051 | Gobo 15         |
|           |          | 052 ⇄ 054 | Gobo 16         |
|           |          | 055 ⇄ 057 | Gobo 17         |
|           |          | 058 ⇄ 060 | Gobo 18         |
|           |          | 061 ⇄ 063 | Gobo 19         |
|           |          | 064 ⇄ 066 | Gobo 20         |
|           |          | 067 ⇄ 069 | Gobo 21         |
|           |          | 070 ⇄ 072 | Gobo 22         |
|           |          | 073 ⇄ 075 | Gobo 23         |
|           |          | 076 ⇄ 078 | Gobo 24         |
|           |          | 079 ⇄ 081 | Gobo 25         |
|           |          | 082 ⇄ 084 | Gobo 26         |
|           |          | 085 ⇄ 087 | Gobo 27         |
|           |          | 088 ⇄ 090 | Gobo 28         |
|           |          | 091 ⇄ 093 | Gobo 29         |
|           |          | 094 ⇄ 096 | Gobo 30         |
|           |          | 097 ⇄ 099 | Gobo 31         |
|           |          | 100 ⇄ 102 | Gobo 32         |
|           |          | 103 ⇄ 105 | Gobo 33         |
|           |          | 106 ⇄ 108 | Gobo 34         |
|           |          | 109 ⇄ 111 | Gobo 35         |
|           |          | 112 ⇄ 114 | Gobo 36         |
|           |          | 115 ⇄ 117 | Gobo 37         |
|           |          | 118 ⇄ 120 | Gobo 38         |
|           |          | 121 ⇄ 123 | Gobo 39         |
|           |          | 124 ⇄ 126 | Gobo 40         |
|           |          | 127 ⇄ 129 | Gobo 41         |
|           |          | 130 ⇄ 132 | Gobo 42         |
|           |          | 133 ⇄ 135 | Gobo 43         |
|           |          | 136 ⇄ 138 | Gobo 44         |
|           |          | 139 ⇄ 141 | Gobo 45         |
|           |          | 142 ⇄ 144 | Gobo 46         |
|           |          | 145 ⇄ 147 | Gobo 47         |
|           |          | 148 ⇄ 150 | Gobo 48         |
|           |          | 151 ⇄ 153 | Gobo 49         |
|           |          | 154 ⇄ 156 | Gobo 50         |
|           |          | 157 ⇄ 159 | Gobo 51         |
|           |          | 160 ⇄ 162 | Gobo 52         |
|           |          | 163 ⇄ 165 | Gobo 53         |
|           |          | 166 ⇄ 168 | Gobo 54         |
|           |          | 169 ⇄ 171 | Gobo 55         |
|           |          | 172 ⇄ 174 | Gobo 56         |
| 175 ⇄ 177 | Gobo 57  |           |                 |
| 178 ⇄ 180 | Gobo 58  |           |                 |
| 181 ⇄ 183 | Gobo 59  |           |                 |
| 184 ⇄ 186 | Gobo 60  |           |                 |
| 187 ⇄ 189 | Gobo 61  |           |                 |
| 190 ⇄ 192 | Gobo 62  |           |                 |
| 193 ⇄ 195 | Gobo 63  |           |                 |
| 196 ⇄ 198 | Gobo 64  |           |                 |
| 199 ⇄ 201 | Gobo 65  |           |                 |
| 202 ⇄ 204 | Gobo 66  |           |                 |
| 205 ⇄ 207 | Gobo 67  |           |                 |
| 208 ⇄ 210 | Gobo 68  |           |                 |
| 211 ⇄ 213 | Gobo 69  |           |                 |
| 214 ⇄ 216 | Gobo 70  |           |                 |
| 217 ⇄ 219 | Gobo 71  |           |                 |
| 220 ⇄ 222 | Gobo 72  |           |                 |
| 223 ⇄ 225 | Gobo 73  |           |                 |
| 226 ⇄ 228 | Gobo 74  |           |                 |
| 229 ⇄ 231 | Gobo 75  |           |                 |

| Channel   | Function     | Value     | Percent/Setting |
|-----------|--------------|-----------|-----------------|
| 11        | Gobo         | 232 ⇄ 234 | Gobo 76         |
|           |              | 235 ⇄ 237 | Gobo 77         |
|           |              | 238 ⇄ 240 | Gobo 78         |
|           |              | 241 ⇄ 243 | Gobo 79         |
|           |              | 244 ⇄ 246 | Gobo 80         |
|           |              | 247 ⇄ 249 | Gobo 81         |
|           |              | 250 ⇄ 252 | Gobo 82         |
|           |              | 253 ⇄ 255 | Gobo 83         |
| 12        | LED Built-in | 000 ⇄ 015 | No function     |
|           |              | 016 ⇄ 017 | Built-in 1      |
|           |              | 018 ⇄ 019 | Built-in 2      |
|           |              | 020 ⇄ 021 | Built-in 3      |
|           |              | 022 ⇄ 023 | Built-in 4      |
|           |              | 024 ⇄ 025 | Built-in 5      |
|           |              | 026 ⇄ 027 | Built-in 6      |
|           |              | 028 ⇄ 029 | Built-in 7      |
|           |              | 030 ⇄ 031 | Built-in 8      |
|           |              | 032 ⇄ 033 | Built-in 9      |
|           |              | 034 ⇄ 035 | Built-in 10     |
|           |              | 036 ⇄ 037 | Built-in 11     |
|           |              | 038 ⇄ 039 | Built-in 12     |
|           |              | 040 ⇄ 041 | Built-in 13     |
|           |              | 042 ⇄ 043 | Built-in 14     |
|           |              | 044 ⇄ 045 | Built-in 15     |
|           |              | 046 ⇄ 047 | Built-in 16     |
|           |              | 048 ⇄ 049 | Built-in 17     |
|           |              | 050 ⇄ 051 | Built-in 18     |
|           |              | 052 ⇄ 053 | Built-in 19     |
|           |              | 054 ⇄ 055 | Built-in 20     |
|           |              | 056 ⇄ 057 | Built-in 21     |
|           |              | 058 ⇄ 059 | Built-in 22     |
|           |              | 060 ⇄ 061 | Built-in 23     |
|           |              | 062 ⇄ 063 | Built-in 24     |
|           |              | 064 ⇄ 065 | Built-in 25     |
|           |              | 066 ⇄ 067 | Built-in 26     |
|           |              | 068 ⇄ 069 | Built-in 27     |
|           |              | 070 ⇄ 071 | Built-in 28     |
|           |              | 072 ⇄ 073 | Built-in 29     |
|           |              | 074 ⇄ 075 | Built-in 30     |
|           |              | 076 ⇄ 077 | Built-in 31     |
|           |              | 078 ⇄ 079 | Built-in 32     |
|           |              | 080 ⇄ 081 | Built-in 33     |
| 082 ⇄ 083 | Built-in 34  |           |                 |
| 084 ⇄ 085 | Built-in 35  |           |                 |
| 086 ⇄ 087 | Built-in 36  |           |                 |
| 088 ⇄ 089 | Built-in 37  |           |                 |
| 090 ⇄ 091 | Built-in 38  |           |                 |
| 092 ⇄ 093 | Built-in 39  |           |                 |
| 094 ⇄ 095 | Built-in 40  |           |                 |
| 096 ⇄ 097 | Built-in 41  |           |                 |
| 098 ⇄ 099 | Built-in 42  |           |                 |
| 100 ⇄ 101 | Built-in 43  |           |                 |
| 102 ⇄ 103 | Built-in 44  |           |                 |
| 104 ⇄ 105 | Built-in 45  |           |                 |
| 106 ⇄ 107 | Built-in 46  |           |                 |
| 108 ⇄ 109 | Built-in 47  |           |                 |
| 110 ⇄ 111 | Built-in 48  |           |                 |
| 112 ⇄ 113 | Built-in 49  |           |                 |
| 114 ⇄ 115 | Built-in 50  |           |                 |
| 116 ⇄ 117 | Built-in 51  |           |                 |
| 118 ⇄ 119 | Built-in 52  |           |                 |
| 120 ⇄ 121 | Built-in 53  |           |                 |
| 122 ⇄ 123 | Built-in 54  |           |                 |
| 124 ⇄ 125 | Built-in 55  |           |                 |
| 126 ⇄ 127 | Built-in 56  |           |                 |

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| Channel   | Function           | Value                         | Percent/Setting  |
|-----------|--------------------|-------------------------------|--|
| 12        | LED Built-in       | 128 ⇄ 135                     | Built-in 57  |
|           |                    | 136 ⇄ 137                     | Built-in 58  |
|           |                    | 138 ⇄ 139                     | Built-in 59  |
|           |                    | 140 ⇄ 141                     | Built-in 60  |
|           |                    | 142 ⇄ 143                     | Built-in 61  |
|           |                    | 144 ⇄ 145                     | Built-in 62  |
|           |                    | 146 ⇄ 147                     | Built-in 63  |
|           |                    | 148 ⇄ 149                     | Built-in 64  |
|           |                    | 150 ⇄ 151                     | Built-in 65  |
|           |                    | 152 ⇄ 153                     | Built-in 66  |
|           |                    | 154 ⇄ 155                     | Built-in 67  |
|           |                    | 156 ⇄ 157                     | Built-in 68  |
|           |                    | 158 ⇄ 159                     | Built-in 69  |
|           |                    | 160 ⇄ 161                     | Built-in 70  |
|           |                    | 162 ⇄ 163                     | Built-in 71  |
|           |                    | 164 ⇄ 165                     | Built-in 72  |
|           |                    | 166 ⇄ 167                     | Built-in 73  |
|           |                    | 168 ⇄ 169                     | Built-in 74  |
|           |                    | 170 ⇄ 171                     | Built-in 75  |
|           |                    | 172 ⇄ 173                     | Built-in 76  |
|           |                    | 174 ⇄ 175                     | Built-in 77  |
|           |                    | 176 ⇄ 177                     | Built-in 78  |
|           |                    | 178 ⇄ 179                     | Built-in 79  |
|           |                    | 180 ⇄ 181                     | Built-in 80  |
|           |                    | 182 ⇄ 183                     | Built-in 81  |
|           |                    | 184 ⇄ 185                     | Built-in 82  |
|           |                    | 186 ⇄ 187                     | Built-in 83  |
|           |                    | 188 ⇄ 189                     | Built-in 84  |
|           |                    | 190 ⇄ 191                     | Built-in 85  |
|           |                    | 192 ⇄ 193                     | Built-in 86  |
|           |                    | 194 ⇄ 195                     | Built-in 87  |
|           |                    | 196 ⇄ 197                     | Built-in 88  |
| 198 ⇄ 199 | Built-in 89        |                               |  |
| 200 ⇄ 201 | Built-in 90        |                               |  |
| 202 ⇄ 203 | Built-in 91        |                               |  |
| 204 ⇄ 205 | Built-in 92        |                               |  |
| 206 ⇄ 207 | Built-in 93        |                               |  |
| 208 ⇄ 209 | Built-in 94        |                               |  |
| 210 ⇄ 211 | Built-in 95        |                               |  |
| 212 ⇄ 213 | Built-in 96        |                               |  |
| 214 ⇄ 215 | Built-in 97        |                               |  |
| 216 ⇄ 217 | Built-in 98        |                               |  |
| 218 ⇄ 219 | Built-in 99        |                               |  |
| 220 ⇄ 221 | Built-in 100       |                               |  |
| 222 ⇄ 223 | Built-in 101       |                               |  |
| 224 ⇄ 225 | Built-in 102       |                               |  |
| 226 ⇄ 227 | Built-in 103       |                               |  |
| 228 ⇄ 229 | Built-in 104       |                               |  |
| 230 ⇄ 231 | Built-in 105       |                               |  |
| 232 ⇄ 233 | Built-in 106       |                               |  |
| 234 ⇄ 235 | Built-in 107       |                               |  |
| 236 ⇄ 237 | Built-in 108       |                               |  |
| 238 ⇄ 239 | Built-in 109       |                               |  |
| 240 ⇄ 241 | Built-in 110       |                               |  |
| 242 ⇄ 243 | Built-in 111       |                               |  |
| 244 ⇄ 245 | Built-in 112       |                               |  |
| 246 ⇄ 247 | Built-in 113       |                               |  |
| 248 ⇄ 255 | Built-in 114       |                               |  |
| 13        | LED Built-in Speed | 000 ⇄ 127<br>128<br>129 ⇄ 255 | Clockwise fast to slow<br>Stop<br>Counter-clockwise slow to fast |
| 14        | LED Built-in Delay | 000 ⇄ 255                     | Fast to slow   |

| Channel   | Function                            | Value     | Percent/Setting            |        |        |        |        |
|-----------|-------------------------------------|-----------|----------------------------|--------|--------|--------|--------|
| 15        | <b>Background Color Macros</b>      | 000       | No function                |        |        |        |        |
|           |                                     | 001 ⇔ 002 | 2700K                      | R:156  | G: 118 | B: 0   | W: 63  |
|           |                                     | 003 ⇔ 004 | 3200K                      | R:156  | G: 141 | B: 5   | W: 89  |
|           |                                     | 005 ⇔ 006 | 4200K                      | R:156  | G: 141 | B: 14  | W: 255 |
|           |                                     | 007 ⇔ 008 | 5600K                      | R:156  | G: 207 | B: 54  | W: 255 |
|           |                                     | 009 ⇔ 010 | 8000K                      | R:130  | G: 255 | B: 96  | W: 255 |
|           |                                     | 11        | Blue                       | R: 0   | G: 0   | B: 255 | W: 0   |
|           |                                     | 012 ⇔ 048 |                            | R: 0   | G: +   | B: 255 | W: 0   |
|           |                                     | 049       | Cyan                       | R: 0   | G: 255 | B: 255 | W: 0   |
|           |                                     | 050 ⇔ 086 |                            | R: 0   | G: 255 | B: -   | W: 0   |
|           |                                     | 087       | Green                      | R: 0   | G: 255 | B: 0   | W: 0   |
|           |                                     | 088 ⇔ 124 |                            | R: +   | G: 255 | B: 0   | W: 0   |
|           |                                     | 125       | Yellow                     | R: 255 | G: 255 | B: 0   | W: 0   |
|           |                                     | 126 ⇔ 162 |                            | R: 255 | G: -   | B: 0   | W: 0   |
|           |                                     | 163       | Red                        | R: 255 | G: 0   | B: 0   | W: 0   |
|           |                                     | 164 ⇔ 200 |                            | R: 255 | G: 0   | B: +   | W: 0   |
|           |                                     | 201       | Magenta                    | R: 255 | G: 0   | B: 255 | W: 0   |
|           |                                     | 202 ⇔ 238 |                            | R: -   | G: 0   | B: 255 | W: 0   |
|           |                                     | 239       | Blue                       | R: 0   | G: 0   | B: 255 | W: 0   |
|           |                                     | 240 ⇔ 247 | Color change, fast to slow |        |        |        |        |
| 248 ⇔ 255 | Color jump, fast to slow            |           |                            |        |        |        |        |
| 16        | <b>Background Color Dimmer</b>      | 000 ⇔ 255 | 0-100%                     |        |        |        |        |
| 17        | <b>Background Color Fine Dimmer</b> | 000 ⇔ 255 | Fine control (16-bit)      |        |        |        |        |
| 18        | <b>Background Red</b>               | 000 ⇔ 255 | 0-100%                     |        |        |        |        |
| 19        | <b>Background Fine Red</b>          | 000 ⇔ 255 | Fine control (16-bit)      |        |        |        |        |
| 20        | <b>Background Green</b>             | 000 ⇔ 255 | 0-100%                     |        |        |        |        |
| 21        | <b>Background Fine Green</b>        | 000 ⇔ 255 | Fine control (16-bit)      |        |        |        |        |
| 22        | <b>Background Blue</b>              | 000 ⇔ 255 | 0-100%                     |        |        |        |        |
| 23        | <b>Background Fine Blue</b>         | 000 ⇔ 255 | Fine control (16-bit)      |        |        |        |        |
| 24        | <b>Background White</b>             | 000 ⇔ 255 | 0-100%                     |        |        |        |        |
| 25        | <b>Background Fine White</b>        | 000 ⇔ 255 | Fine control (16-bit)      |        |        |        |        |
| 26        | <b>Zoom</b>                         | 000 ⇔ 255 | 0-100%                     |        |        |        |        |

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|-----------|-------------------------|-----------|----------------------------|
| 27        | Control                 | 000 ⇄ 009 | No function                |
|           |                         | 010 ⇄ 014 | Pan/Tilt blackout          |
|           |                         | 015 ⇄ 019 | No function                |
|           |                         | 020 ⇄ 024 | RGBW color mixing (5 sec.) |
|           |                         | 025 ⇄ 029 | CMY color mixing (5 sec.)  |
|           |                         | 030 ⇄ 034 | No function                |
|           |                         | 035 ⇄ 039 | No function                |
|           |                         | 040 ⇄ 044 | No function                |
|           |                         | 045 ⇄ 049 | No function                |
|           |                         | 050 ⇄ 054 | Pan reset                  |
|           |                         | 055 ⇄ 059 | Tilt reset                 |
|           |                         | 060 ⇄ 064 | Zoom reset                 |
|           |                         | 065 ⇄ 069 | No function                |
|           |                         | 070 ⇄ 074 | All reset                  |
|           |                         | 075 ⇄ 079 | No function                |
|           |                         | 080 ⇄ 084 | Pan/Tilt reverse           |
|           |                         | 085 ⇄ 089 | Pan reverse                |
|           |                         | 090 ⇄ 094 | Tilt reverse               |
|           |                         | 095 ⇄ 099 | Cancel pan reverse         |
|           |                         | 100 ⇄ 104 | Cancel tilt reverse        |
| 105 ⇄ 109 | Cancel pan/tilt reverse |           |                            |
| 110 ⇄ 114 | No function             |           |                            |
| 115 ⇄ 119 | No function             |           |                            |
| 120 ⇄ 124 | Fan low speed           |           |                            |
| 125 ⇄ 129 | Fan full speed          |           |                            |
| 130 ⇄ 134 | Fan auto                |           |                            |
| 135 ⇄ 139 | Dimmer Fast mode        |           |                            |
| 140 ⇄ 144 | Dimmer Smooth mode      |           |                            |
| 145 ⇄ 255 | No function             |           |                            |
| 28        | Red (Cyan)              | 000 ⇄ 255 | 0-100%                     |
| 29        | Fine Red (Cyan)         | 000 ⇄ 255 | Fine control (16-bit)      |
| 30        | Green (Magenta)         | 000 ⇄ 255 | 0-100%                     |
| 31        | Fine Green (Magenta)    | 000 ⇄ 255 | Fine control (16-bit)      |
| 32        | Blue (Yellow)           | 000 ⇄ 255 | 0-100%                     |
| 33        | Fine Blue (Yellow)      | 000 ⇄ 255 | Fine control (16-bit)      |
| 34        | White                   | 000 ⇄ 255 | 0-100%                     |
| 35        | Fine White              | 000 ⇄ 255 | Fine control (16-bit)      |
| 36        | Red 1 (Cyan)            | 000 ⇄ 255 | 0-100%                     |
| 37        | Fine Red 1 (Cyan)       | 000 ⇄ 255 | Fine control (16-bit)      |
| 38        | Green 1 (Magenta)       | 000 ⇄ 255 | 0-100%                     |
| 39        | Fine Green 1 (Magenta)  | 000 ⇄ 255 | Fine control (16-bit)      |
| 40        | Blue 1 (Yellow)         | 000 ⇄ 255 | 0-100%                     |
| 41        | Fine Blue 1 (Yellow)    | 000 ⇄ 255 | Fine control (16-bit)      |
| 42        | White 1                 | 000 ⇄ 255 | 0-100%                     |
| 43        | Fine White 1            | 000 ⇄ 255 | Fine control (16-bit)      |
| 44        | Red 2 (Cyan)            | 000 ⇄ 255 | 0-100%                     |
| 45        | Fine Red 2 (Cyan)       | 000 ⇄ 255 | Fine control (16-bit)      |
| 46        | Green 2 (Magenta)       | 000 ⇄ 255 | 0-100%                     |
| 47        | Fine Green 2 (Magenta)  | 000 ⇄ 255 | Fine control (16-bit)      |
| 48        | Blue 2 (Yellow)         | 000 ⇄ 255 | 0-100%                     |
| 49        | Fine Blue 2 (Yellow)    | 000 ⇄ 255 | Fine control (16-bit)      |
| 50        | White 2                 | 000 ⇄ 255 | 0-100%                     |
| 51        | Fine White 2            | 000 ⇄ 255 | Fine control (16-bit)      |
| 52        | Red 3 (Cyan)            | 000 ⇄ 255 | 0-100%                     |

| Channel | Function               | Value     | Percent/Setting       |
|---------|------------------------|-----------|-----------------------|
| 53      | Fine Red 3 (Cyan)      | 000 ⇔ 255 | Fine control (16-bit) |
| 54      | Green 3 (Magenta)      | 000 ⇔ 255 | 0-100%                |
| 55      | Fine Green 3 (Magenta) | 000 ⇔ 255 | Fine control (16-bit) |
| 56      | Blue 3 (Yellow)        | 000 ⇔ 255 | 0-100%                |
| 57      | Fine Blue 3 (Yellow)   | 000 ⇔ 255 | Fine control (16-bit) |
| 58      | White 3                | 000 ⇔ 255 | 0-100%                |
| 59      | Fine White 3           | 000 ⇔ 255 | Fine control (16-bit) |
| 60      | Red 4 (Cyan)           | 000 ⇔ 255 | 0-100%                |
| 61      | Fine Red 4 (Cyan)      | 000 ⇔ 255 | Fine control (16-bit) |
| 62      | Green 4 (Magenta)      | 000 ⇔ 255 | 0-100%                |
| 63      | Fine Green 4 (Magenta) | 000 ⇔ 255 | Fine control (16-bit) |
| 64      | Blue 4 (Yellow)        | 000 ⇔ 255 | 0-100%                |
| 65      | Fine Blue 4 (Yellow)   | 000 ⇔ 255 | Fine control (16-bit) |
| 66      | White 4                | 000 ⇔ 255 | 0-100%                |
| 67      | Fine White 4           | 000 ⇔ 255 | Fine control (16-bit) |
| 68      | Red 5 (Cyan)           | 000 ⇔ 255 | 0-100%                |
| 69      | Fine Red 5 (Cyan)      | 000 ⇔ 255 | Fine control (16-bit) |
| 70      | Green 5 (Magenta)      | 000 ⇔ 255 | 0-100%                |
| 71      | Fine Green 5 (Magenta) | 000 ⇔ 255 | Fine control (16-bit) |
| 72      | Blue 5 (Yellow)        | 000 ⇔ 255 | 0-100%                |
| 73      | Fine Blue 5 (Yellow)   | 000 ⇔ 255 | Fine control (16-bit) |
| 74      | White 5                | 000 ⇔ 255 | 0-100%                |
| 75      | Fine White 5           | 000 ⇔ 255 | Fine control (16-bit) |
| 76      | Red 6 (Cyan)           | 000 ⇔ 255 | 0-100%                |
| 77      | Fine Red 6 (Cyan)      | 000 ⇔ 255 | Fine control (16-bit) |
| 78      | Green 6 (Magenta)      | 000 ⇔ 255 | 0-100%                |
| 79      | Fine Green 6 (Magenta) | 000 ⇔ 255 | Fine control (16-bit) |
| 80      | Blue 6 (Yellow)        | 000 ⇔ 255 | 0-100%                |
| 81      | Fine Blue 6 (Yellow)   | 000 ⇔ 255 | Fine control (16-bit) |
| 82      | White 6                | 000 ⇔ 255 | 0-100%                |
| 83      | Fine White 6           | 000 ⇔ 255 | Fine control (16-bit) |
| 84      | Red 7 (Cyan)           | 000 ⇔ 255 | 0-100%                |
| 85      | Fine Red 7 (Cyan)      | 000 ⇔ 255 | Fine control (16-bit) |
| 86      | Green 7 (Magenta)      | 000 ⇔ 255 | 0-100%                |
| 87      | Fine Green 7 (Magenta) | 000 ⇔ 255 | Fine control (16-bit) |
| 88      | Blue 7 (Yellow)        | 000 ⇔ 255 | 0-100%                |
| 89      | Fine Blue 7 (Yellow)   | 000 ⇔ 255 | Fine control (16-bit) |
| 90      | White 7                | 000 ⇔ 255 | 0-100%                |
| 91      | Fine White 7           | 000 ⇔ 255 | Fine control (16-bit) |
| 92      | Red 8 (Cyan)           | 000 ⇔ 255 | 0-100%                |
| 93      | Fine Red 8 (Cyan)      | 000 ⇔ 255 | Fine control (16-bit) |
| 94      | Green 8 (Magenta)      | 000 ⇔ 255 | 0-100%                |



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| Channel | Function               | Value     | Percent/Setting       |
|---------|------------------------|-----------|-----------------------|
| 95      | Fine Green 8 (Magenta) | 000 ⇄ 255 | Fine control (16-bit) |
| 96      | Blue 8 (Yellow)        | 000 ⇄ 255 | 0-100%                |
| 97      | Fine Blue 8 (Yellow)   | 000 ⇄ 255 | Fine control (16-bit) |
| 98      | White 8                | 000 ⇄ 255 | 0-100%                |
| 99      | Fine White 8           | 000 ⇄ 255 | Fine control (16-bit) |
| 100     | Red 9 (Cyan)           | 000 ⇄ 255 | 0-100%                |
| 101     | Fine Red 9 (Cyan)      | 000 ⇄ 255 | Fine control (16-bit) |
| 102     | Green 9 (Magenta)      | 000 ⇄ 255 | 0-100%                |
| 103     | Fine Green 9 (Magenta) | 000 ⇄ 255 | Fine control (16-bit) |
| 104     | Blue 9 (Yellow)        | 000 ⇄ 255 | 0-100%                |
| 105     | Fine Blue 9 (Yellow)   | 000 ⇄ 255 | Fine control (16-bit) |
| 106     | White 9                | 000 ⇄ 255 | 0-100%                |
| 107     | Fine White 9           | 000 ⇄ 255 | Fine control (16-bit) |

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| Channel   | Function   | Value            | Percent/Setting  |
|-----------|--|------------------|--|
| 1         | Pan  | 000 ⇄ 255        | 0-100%   |
| 2         | Fine Pan   | 000 ⇄ 255        | Fine control (16-bit)                                    |
| 3         | Tilt   | 000 ⇄ 255        | 0-100%   |
| 4         | Fine Tilt  | 000 ⇄ 255        | Fine control (16-bit)                                    |
| 5         | Pan/Tilt Speed                                       | 000 ⇄ 255        | 0-100%   |
| 6         | Dimmer   | 000 ⇄ 255        | 0-100%   |
| 7         | Fine Dimmer  | 000 ⇄ 255        | Fine control (16-bit)                                    |
| 8         | Shutter  | 000 ⇄ 019        | off  |
|           |  | 020 ⇄ 024        | on   |
|           |  | 025 ⇄ 064        | strobe 1 with decreasing speed                           |
|           |  | 065 ⇄ 069        | on   |
|           |  | 070 ⇄ 084        | strobe 2 (fast on slow off) with decreasing speed        |
|           |  | 085 ⇄ 089        | on   |
|           |  | 090 ⇄ 104        | strobe 3 (slow on fast off) with decreasing speed        |
|           |  | 105 ⇄ 109        | on   |
|           |  | 110 ⇄ 124        | strobe 4 (random strobe) with decreasing speed           |
|           |  | 125 ⇄ 129        | on   |
|           |  | 130 ⇄ 144        | strobe 5 (random fast on slow off) with decreasing speed |
|           |  | 145 ⇄ 149        | on   |
|           |  | 150 ⇄ 164        | strobe 6 (random slow on fast off) with decreasing speed |
|           |  | 165 ⇄ 169        | on   |
|           |  | 170 ⇄ 184        | strobe 7 (pulse strobe) with decreasing speed            |
|           |  | 185 ⇄ 189        | on   |
| 190 ⇄ 204 | strobe 8 (random pulse strobe) with decreasing speed |                  |  |
| 205 ⇄ 209 | on   |                  |  |
| 210 ⇄ 224 | strobe 9 (fade on or off) with decreasing speed      |                  |  |
| 225 ⇄ 229 | on   |                  |  |
| 230 ⇄ 244 | strobe 10 (pulse strobe) with decreasing speed       |                  |  |
| 245 ⇄ 255 | on   |                  |  |
| 9         | CTC  | 000<br>001 ⇄ 255 | No function<br>2800 to 10,000K                           |

| Channel   | Function     | Value     | Percent/Setting |                            |             |        |        |  |
|-----------|--------------|-----------|-----------------|----------------------------|-------------|--------|--------|--|
| <b>10</b> | <b>Color</b> | 000       | No function     |                            |             |        |        |  |
|           |              | 001 ⇔ 002 | 2700K           | R:156                      | G: 118      | B: 0   | W: 63  |  |
|           |              | 003 ⇔ 004 | 3200K           | R:156                      | G: 141      | B: 5   | W: 89  |  |
|           |              | 005 ⇔ 006 | 4200K           | R:156                      | G: 141      | B: 14  | W: 255 |  |
|           |              | 007 ⇔ 008 | 5600K           | R:156                      | G: 207      | B: 54  | W: 255 |  |
|           |              | 009 ⇔ 010 | 8000K           | R:130                      | G: 255      | B: 96  | W: 255 |  |
|           |              | 11        | Blue            | R: 0                       | G: 0        | B: 255 | W: 0   |  |
|           |              | 012 ⇔ 048 |                 | R: 0                       | G: +        | B: 255 | W: 0   |  |
|           |              | 049       | Cyan            | R: 0                       | G: 255      | B: 255 | W: 0   |  |
|           |              | 050 ⇔ 086 |                 | R: 0                       | G: 255      | B: -   | W: 0   |  |
|           |              | 087       | Green           | R: 0                       | G: 255      | B: 0   | W: 0   |  |
|           |              | 088 ⇔ 124 |                 | R: +                       | G: 255      | B: 0   | W: 0   |  |
|           |              | 125       | Yellow          | R: 255                     | G: 255      | B: 0   | W: 0   |  |
|           |              | 126 ⇔ 162 |                 | R: 255                     | G: -        | B: 0   | W: 0   |  |
|           |              | 163       | Red             | R: 255                     | G: 0        | B: 0   | W: 0   |  |
|           |              | 164 ⇔ 200 |                 | R: 255                     | G: 0        | B: +   | W: 0   |  |
|           |              | 201       | Magenta         | R: 255                     | G: 0        | B: 255 | W: 0   |  |
|           |              | 202 ⇔ 238 |                 | R: -                       | G: 0        | B: 255 | W: 0   |  |
|           |              | 239       | Blue            | R: 0                       | G: 0        | B: 255 | W: 0   |  |
|           |              | 240 ⇔ 247 |                 | Color change, fast to slow |             |        |        |  |
|           |              | 248 ⇔ 255 |                 | Color jump, fast to slow   |             |        |        |  |
|           |              | <b>11</b> | <b>Gobo</b>     | 000 ⇔ 003                  | No function |        |        |  |
|           |              |           |                 | 004 ⇔ 006                  | Gobo 1      |        |        |  |
|           |              |           |                 | 007 ⇔ 009                  | Gobo 2      |        |        |  |
| 010 ⇔ 012 | Gobo 3       |           |                 |                            |             |        |        |  |
| 013 ⇔ 015 | Gobo 4       |           |                 |                            |             |        |        |  |
| 016 ⇔ 018 | Gobo 5       |           |                 |                            |             |        |        |  |
| 019 ⇔ 021 | Gobo 6       |           |                 |                            |             |        |        |  |
| 022 ⇔ 024 | Gobo 7       |           |                 |                            |             |        |        |  |
| 025 ⇔ 027 | Gobo 8       |           |                 |                            |             |        |        |  |
| 028 ⇔ 030 | Gobo 9       |           |                 |                            |             |        |        |  |
| 031 ⇔ 033 | No Gobo      |           |                 |                            |             |        |        |  |
| 034 ⇔ 036 | Gobo 10      |           |                 |                            |             |        |        |  |
| 037 ⇔ 039 | Gobo 11      |           |                 |                            |             |        |        |  |
| 040 ⇔ 042 | Gobo 12      |           |                 |                            |             |        |        |  |
| 043 ⇔ 045 | Gobo 13      |           |                 |                            |             |        |        |  |
| 046 ⇔ 048 | Gobo 14      |           |                 |                            |             |        |        |  |
| 049 ⇔ 051 | Gobo 15      |           |                 |                            |             |        |        |  |
| 052 ⇔ 054 | Gobo 16      |           |                 |                            |             |        |        |  |
| 055 ⇔ 057 | Gobo 17      |           |                 |                            |             |        |        |  |
| 058 ⇔ 060 | Gobo 18      |           |                 |                            |             |        |        |  |
| 061 ⇔ 063 | Gobo 19      |           |                 |                            |             |        |        |  |
| 064 ⇔ 066 | Gobo 20      |           |                 |                            |             |        |        |  |
| 067 ⇔ 069 | Gobo 21      |           |                 |                            |             |        |        |  |
| 070 ⇔ 072 | Gobo 22      |           |                 |                            |             |        |        |  |
| 073 ⇔ 075 | Gobo 23      |           |                 |                            |             |        |        |  |
| 076 ⇔ 078 | Gobo 24      |           |                 |                            |             |        |        |  |
| 079 ⇔ 081 | Gobo 25      |           |                 |                            |             |        |        |  |
| 082 ⇔ 084 | Gobo 26      |           |                 |                            |             |        |        |  |
| 085 ⇔ 087 | Gobo 27      |           |                 |                            |             |        |        |  |
| 088 ⇔ 090 | Gobo 28      |           |                 |                            |             |        |        |  |
| 091 ⇔ 093 | Gobo 29      |           |                 |                            |             |        |        |  |
| 094 ⇔ 096 | Gobo 30      |           |                 |                            |             |        |        |  |
| 097 ⇔ 099 | Gobo 31      |           |                 |                            |             |        |        |  |
| 100 ⇔ 102 | Gobo 32      |           |                 |                            |             |        |        |  |
| 103 ⇔ 105 | Gobo 33      |           |                 |                            |             |        |        |  |
| 106 ⇔ 108 | Gobo 34      |           |                 |                            |             |        |        |  |
| 109 ⇔ 111 | Gobo 35      |           |                 |                            |             |        |        |  |
| 112 ⇔ 114 | Gobo 36      |           |                 |                            |             |        |        |  |
| 115 ⇔ 117 | Gobo 37      |           |                 |                            |             |        |        |  |
| 118 ⇔ 120 | Gobo 38      |           |                 |                            |             |        |        |  |
| 121 ⇔ 123 | Gobo 39      |           |                 |                            |             |        |        |  |

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| Channel   | Function            | Value     | Percent/Setting |
|-----------|---------------------|-----------|-----------------|
| <b>11</b> | <b>Gobo</b>         | 124 ⇄ 126 | Gobo 40         |
|           |                     | 127 ⇄ 129 | Gobo 41         |
|           |                     | 130 ⇄ 132 | Gobo 42         |
|           |                     | 133 ⇄ 135 | Gobo 43         |
|           |                     | 136 ⇄ 138 | Gobo 44         |
|           |                     | 139 ⇄ 141 | Gobo 45         |
|           |                     | 142 ⇄ 144 | Gobo 46         |
|           |                     | 145 ⇄ 147 | Gobo 47         |
|           |                     | 148 ⇄ 150 | Gobo 48         |
|           |                     | 151 ⇄ 153 | Gobo 49         |
|           |                     | 154 ⇄ 156 | Gobo 50         |
|           |                     | 157 ⇄ 159 | Gobo 51         |
|           |                     | 160 ⇄ 162 | Gobo 52         |
|           |                     | 163 ⇄ 165 | Gobo 53         |
|           |                     | 166 ⇄ 168 | Gobo 54         |
|           |                     | 169 ⇄ 171 | Gobo 55         |
|           |                     | 172 ⇄ 174 | Gobo 56         |
|           |                     | 175 ⇄ 177 | Gobo 57         |
|           |                     | 178 ⇄ 180 | Gobo 58         |
|           |                     | 181 ⇄ 183 | Gobo 59         |
|           |                     | 184 ⇄ 186 | Gobo 60         |
|           |                     | 187 ⇄ 189 | Gobo 61         |
|           |                     | 190 ⇄ 192 | Gobo 62         |
|           |                     | 193 ⇄ 195 | Gobo 63         |
|           |                     | 196 ⇄ 198 | Gobo 64         |
|           |                     | 199 ⇄ 201 | Gobo 65         |
|           |                     | 202 ⇄ 204 | Gobo 66         |
|           |                     | 205 ⇄ 207 | Gobo 67         |
|           |                     | 208 ⇄ 210 | Gobo 68         |
|           |                     | 211 ⇄ 213 | Gobo 69         |
|           |                     | 214 ⇄ 216 | Gobo 70         |
|           |                     | 217 ⇄ 219 | Gobo 71         |
|           |                     | 220 ⇄ 222 | Gobo 72         |
|           |                     | 223 ⇄ 225 | Gobo 73         |
| 226 ⇄ 228 | Gobo 74             |           |                 |
| 229 ⇄ 231 | Gobo 75             |           |                 |
| 232 ⇄ 234 | Gobo 76             |           |                 |
| 235 ⇄ 237 | Gobo 77             |           |                 |
| 238 ⇄ 240 | Gobo 78             |           |                 |
| 241 ⇄ 243 | Gobo 79             |           |                 |
| 244 ⇄ 246 | Gobo 80             |           |                 |
| 247 ⇄ 249 | Gobo 81             |           |                 |
| 250 ⇄ 252 | Gobo 82             |           |                 |
| 253 ⇄ 255 | Gobo 83             |           |                 |
| <b>12</b> | <b>LED Built-in</b> | 000 ⇄ 015 | No function     |
|           |                     | 016 ⇄ 017 | Built-in 1      |
|           |                     | 018 ⇄ 019 | Built-in 2      |
|           |                     | 020 ⇄ 021 | Built-in 3      |
|           |                     | 022 ⇄ 023 | Built-in 4      |
|           |                     | 024 ⇄ 025 | Built-in 5      |
|           |                     | 026 ⇄ 027 | Built-in 6      |
|           |                     | 028 ⇄ 029 | Built-in 7      |
|           |                     | 030 ⇄ 031 | Built-in 8      |
|           |                     | 032 ⇄ 033 | Built-in 9      |
|           |                     | 034 ⇄ 035 | Built-in 10     |
|           |                     | 036 ⇄ 037 | Built-in 11     |
|           |                     | 038 ⇄ 039 | Built-in 12     |
|           |                     | 040 ⇄ 041 | Built-in 13     |
|           |                     | 042 ⇄ 043 | Built-in 14     |
|           |                     | 044 ⇄ 045 | Built-in 15     |
|           |                     | 046 ⇄ 047 | Built-in 16     |
|           |                     | 048 ⇄ 049 | Built-in 17     |
|           |                     | 050 ⇄ 051 | Built-in 18     |
|           |                     | 052 ⇄ 053 | Built-in 19     |
| 054 ⇄ 055 | Built-in 20         |           |                 |

| Channel   | Function     | Value     | Percent/Setting |
|-----------|--------------|-----------|-----------------|
| 12        | LED Built-in | 056 ⇄ 057 | Built-in 21     |
|           |              | 058 ⇄ 059 | Built-in 22     |
|           |              | 060 ⇄ 061 | Built-in 23     |
|           |              | 062 ⇄ 063 | Built-in 24     |
|           |              | 064 ⇄ 065 | Built-in 25     |
|           |              | 066 ⇄ 067 | Built-in 26     |
|           |              | 068 ⇄ 069 | Built-in 27     |
|           |              | 070 ⇄ 071 | Built-in 28     |
|           |              | 072 ⇄ 073 | Built-in 29     |
|           |              | 074 ⇄ 075 | Built-in 30     |
|           |              | 076 ⇄ 077 | Built-in 31     |
|           |              | 078 ⇄ 079 | Built-in 32     |
|           |              | 080 ⇄ 081 | Built-in 33     |
|           |              | 082 ⇄ 083 | Built-in 34     |
|           |              | 084 ⇄ 085 | Built-in 35     |
|           |              | 086 ⇄ 087 | Built-in 36     |
|           |              | 088 ⇄ 089 | Built-in 37     |
|           |              | 090 ⇄ 091 | Built-in 38     |
|           |              | 092 ⇄ 093 | Built-in 39     |
|           |              | 094 ⇄ 095 | Built-in 40     |
|           |              | 096 ⇄ 097 | Built-in 41     |
|           |              | 098 ⇄ 099 | Built-in 42     |
|           |              | 100 ⇄ 101 | Built-in 43     |
|           |              | 102 ⇄ 103 | Built-in 44     |
|           |              | 104 ⇄ 105 | Built-in 45     |
|           |              | 106 ⇄ 107 | Built-in 46     |
|           |              | 108 ⇄ 109 | Built-in 47     |
|           |              | 110 ⇄ 111 | Built-in 48     |
|           |              | 112 ⇄ 113 | Built-in 49     |
|           |              | 114 ⇄ 115 | Built-in 50     |
|           |              | 116 ⇄ 117 | Built-in 51     |
|           |              | 118 ⇄ 119 | Built-in 52     |
| 120 ⇄ 121 | Built-in 53  |           |                 |
| 122 ⇄ 123 | Built-in 54  |           |                 |
| 124 ⇄ 125 | Built-in 55  |           |                 |
| 126 ⇄ 127 | Built-in 56  |           |                 |
| 128 ⇄ 135 | Built-in 57  |           |                 |
| 136 ⇄ 137 | Built-in 58  |           |                 |
| 138 ⇄ 139 | Built-in 59  |           |                 |
| 140 ⇄ 141 | Built-in 60  |           |                 |
| 142 ⇄ 143 | Built-in 61  |           |                 |
| 144 ⇄ 145 | Built-in 62  |           |                 |
| 146 ⇄ 147 | Built-in 63  |           |                 |
| 148 ⇄ 149 | Built-in 64  |           |                 |
| 150 ⇄ 151 | Built-in 65  |           |                 |
| 152 ⇄ 153 | Built-in 66  |           |                 |
| 154 ⇄ 155 | Built-in 67  |           |                 |
| 156 ⇄ 157 | Built-in 68  |           |                 |
| 158 ⇄ 159 | Built-in 69  |           |                 |
| 160 ⇄ 161 | Built-in 70  |           |                 |
| 162 ⇄ 163 | Built-in 71  |           |                 |
| 164 ⇄ 165 | Built-in 72  |           |                 |
| 166 ⇄ 167 | Built-in 73  |           |                 |
| 168 ⇄ 169 | Built-in 74  |           |                 |
| 170 ⇄ 171 | Built-in 75  |           |                 |
| 172 ⇄ 173 | Built-in 76  |           |                 |
| 174 ⇄ 175 | Built-in 77  |           |                 |
| 176 ⇄ 177 | Built-in 78  |           |                 |
| 178 ⇄ 179 | Built-in 79  |           |                 |
| 180 ⇄ 181 | Built-in 80  |           |                 |
| 182 ⇄ 183 | Built-in 81  |           |                 |
| 184 ⇄ 185 | Built-in 82  |           |                 |
| 186 ⇄ 187 | Built-in 83  |           |                 |

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| Channel   | Function                   | Value     | Percent/Setting                 |
|-----------|----------------------------|-----------|---------------------------------|
| 12        | LED Built-in               | 188 ⇄ 189 | Built-in 84                     |
|           |                            | 190 ⇄ 191 | Built-in 85                     |
|           |                            | 192 ⇄ 193 | Built-in 86                     |
|           |                            | 194 ⇄ 195 | Built-in 87                     |
|           |                            | 196 ⇄ 197 | Built-in 88                     |
|           |                            | 198 ⇄ 199 | Built-in 89                     |
|           |                            | 200 ⇄ 201 | Built-in 90                     |
|           |                            | 202 ⇄ 203 | Built-in 91                     |
|           |                            | 204 ⇄ 205 | Built-in 92                     |
|           |                            | 206 ⇄ 207 | Built-in 93                     |
|           |                            | 208 ⇄ 209 | Built-in 94                     |
|           |                            | 210 ⇄ 211 | Built-in 95                     |
|           |                            | 212 ⇄ 213 | Built-in 96                     |
|           |                            | 214 ⇄ 215 | Built-in 97                     |
|           |                            | 216 ⇄ 217 | Built-in 98                     |
|           |                            | 218 ⇄ 219 | Built-in 99                     |
|           |                            | 220 ⇄ 221 | Built-in 100                    |
|           |                            | 222 ⇄ 223 | Built-in 101                    |
|           |                            | 224 ⇄ 225 | Built-in 102                    |
|           |                            | 226 ⇄ 227 | Built-in 103                    |
|           |                            | 228 ⇄ 229 | Built-in 104                    |
| 230 ⇄ 231 | Built-in 105               |           |                                 |
| 232 ⇄ 233 | Built-in 106               |           |                                 |
| 234 ⇄ 235 | Built-in 107               |           |                                 |
| 236 ⇄ 237 | Built-in 108               |           |                                 |
| 238 ⇄ 239 | Built-in 109               |           |                                 |
| 240 ⇄ 241 | Built-in 110               |           |                                 |
| 242 ⇄ 243 | Built-in 111               |           |                                 |
| 244 ⇄ 245 | Built-in 112               |           |                                 |
| 246 ⇄ 247 | Built-in 113               |           |                                 |
| 248 ⇄ 255 | Built-in 114               |           |                                 |
| 13        | LED Built-in Speed         | 000 ⇄ 127 | Clockwise fast to slow          |
|           |                            | 128       | Stop                            |
|           |                            | 129 ⇄ 255 | Counter-clockwise slow to fast  |
| 14        | LED Built-in Delay         | 000 ⇄ 255 | Fast to slow                    |
| 15        | Background Color Macros    | 000       | No function                     |
|           |                            | 001 ⇄ 002 | 2700K R:156 G: 118 B: 0 W: 63   |
|           |                            | 003 ⇄ 004 | 3200K R:156 G: 141 B: 5 W: 89   |
|           |                            | 005 ⇄ 006 | 4200K R:156 G: 141 B: 14 W: 255 |
|           |                            | 007 ⇄ 008 | 5600K R:156 G: 207 B: 54 W: 255 |
|           |                            | 009 ⇄ 010 | 8000K R:130 G: 255 B: 96 W: 255 |
|           |                            | 11        | Blue R: 0 G: 0 B: 255 W: 0      |
|           |                            | 012 ⇄ 048 | R: 0 G: + B: 255 W: 0           |
|           |                            | 049       | Cyan R: 0 G: 255 B: 255 W: 0    |
|           |                            | 050 ⇄ 086 | R: 0 G: 255 B: - W: 0           |
|           |                            | 087       | Green R: 0 G: 255 B: 0 W: 0     |
|           |                            | 088 ⇄ 124 | R: + G: 255 B: 0 W: 0           |
|           |                            | 125       | Yellow R: 255 G: 255 B: 0 W: 0  |
|           |                            | 126 ⇄ 162 | R: 255 G: - B: 0 W: 0           |
|           |                            | 163       | Red R: 255 G: 0 B: 0 W: 0       |
|           |                            | 164 ⇄ 200 | R: 255 G: 0 B: + W: 0           |
|           |                            | 201       | Magenta R: 255 G: 0 B: 255 W: 0 |
| 202 ⇄ 238 | R: - G: 0 B: 255 W: 0      |           |                                 |
| 239       | Blue R: 0 G: 0 B: 255 W: 0 |           |                                 |
| 240 ⇄ 247 | Color change, fast to slow |           |                                 |
| 248 ⇄ 255 | Color jump, fast to slow   |           |                                 |
| 16        | Background Color Dimmer    | 000 ⇄ 255 | 0-100%                          |
| 17        | Background Red             | 000 ⇄ 255 | 0-100%                          |
| 18        | Background Green           | 000 ⇄ 255 | 0-100%                          |
| 19        | Background Blue            | 000 ⇄ 255 | 0-100%                          |

| Channel   | Function                | Value     | Percent/Setting            |
|-----------|-------------------------|-----------|----------------------------|
| 20        | Background White        | 000 ⇄ 255 | 0-100%                     |
| 21        | Zoom                    | 000 ⇄ 255 | 0-100%                     |
| 22        | Control                 | 000 ⇄ 009 | No function                |
|           |                         | 010 ⇄ 014 | Pan/Tilt blackout          |
|           |                         | 015 ⇄ 019 | No function                |
|           |                         | 020 ⇄ 024 | RGBW color mixing (5 sec.) |
|           |                         | 025 ⇄ 029 | CMY color mixing (5 sec.)  |
|           |                         | 030 ⇄ 034 | No function                |
|           |                         | 035 ⇄ 039 | No function                |
|           |                         | 040 ⇄ 044 | No function                |
|           |                         | 045 ⇄ 049 | No function                |
|           |                         | 050 ⇄ 054 | Pan reset                  |
|           |                         | 055 ⇄ 059 | Tilt reset                 |
|           |                         | 060 ⇄ 064 | Zoom reset                 |
|           |                         | 065 ⇄ 069 | No function                |
|           |                         | 070 ⇄ 074 | All reset                  |
|           |                         | 075 ⇄ 079 | No function                |
|           |                         | 080 ⇄ 084 | Pan/Tilt reverse           |
|           |                         | 085 ⇄ 089 | Pan reverse                |
| 090 ⇄ 094 | Tilt reverse            |           |                            |
| 095 ⇄ 099 | Cancel pan reverse      |           |                            |
| 100 ⇄ 104 | Cancel tilt reverse     |           |                            |
| 105 ⇄ 109 | Cancel pan/tilt reverse |           |                            |
| 110 ⇄ 114 | No function             |           |                            |
| 115 ⇄ 119 | No function             |           |                            |
| 120 ⇄ 124 | Fan low speed           |           |                            |
| 125 ⇄ 129 | Fan full speed          |           |                            |
| 130 ⇄ 134 | Fan auto                |           |                            |
| 135 ⇄ 139 | Dimmer Fast mode        |           |                            |
| 140 ⇄ 144 | Dimmer Smooth mode      |           |                            |
| 145 ⇄ 255 | No function             |           |                            |
| 23        | Red (Cyan)              | 000 ⇄ 255 | 0-100%                     |
| 24        | Green (Magenta)         | 000 ⇄ 255 | 0-100%                     |
| 25        | Blue (Yellow)           | 000 ⇄ 255 | 0-100%                     |
| 26        | White                   | 000 ⇄ 255 | 0-100%                     |
| 27        | Dimmer 1                | 000 ⇄ 255 | 0-100%                     |
| 28        | Red 1 (Cyan)            | 000 ⇄ 255 | 0-100%                     |
| 29        | Green 1 (Magenta)       | 000 ⇄ 255 | 0-100%                     |
| 30        | Blue 1 (Yellow)         | 000 ⇄ 255 | 0-100%                     |
| 31        | White 1                 | 000 ⇄ 255 | 0-100%                     |
| 32        | Dimmer 2                | 000 ⇄ 255 | 0-100%                     |
| 33        | Red 2 (Cyan)            | 000 ⇄ 255 | 0-100%                     |
| 34        | Green 2 (Magenta)       | 000 ⇄ 255 | 0-100%                     |
| 35        | Blue 2 (Yellow)         | 000 ⇄ 255 | 0-100%                     |
| 36        | White 2                 | 000 ⇄ 255 | 0-100%                     |
| 37        | Dimmer 3                | 000 ⇄ 255 | 0-100%                     |
| 38        | Red 3 (Cyan)            | 000 ⇄ 255 | 0-100%                     |
| 39        | Green 3 (Magenta)       | 000 ⇄ 255 | 0-100%                     |
| 40        | Blue 3 (Yellow)         | 000 ⇄ 255 | 0-100%                     |
| 41        | White 3                 | 000 ⇄ 255 | 0-100%                     |
| 42        | Dimmer 4                | 000 ⇄ 255 | 0-100%                     |
| 43        | Red 4 (Cyan)            | 000 ⇄ 255 | 0-100%                     |
| 44        | Green 4 (Magenta)       | 000 ⇄ 255 | 0-100%                     |
| 45        | Blue 4 (Yellow)         | 000 ⇄ 255 | 0-100%                     |
| 46        | White 4                 | 000 ⇄ 255 | 0-100%                     |
| 47        | Dimmer 5                | 000 ⇄ 255 | 0-100%                     |

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| Channel | Function          | Value     | Percent/Setting |
|---------|-------------------|-----------|-----------------|
| 48      | Red 5 (Cyan)      | 000 ⇄ 255 | 0-100%          |
| 49      | Green 5 (Magenta) | 000 ⇄ 255 | 0-100%          |
| 50      | Blue 5 (Yellow)   | 000 ⇄ 255 | 0-100%          |
| 51      | White 5           | 000 ⇄ 255 | 0-100%          |
| 52      | Dimmer 6          | 000 ⇄ 255 | 0-100%          |
| 53      | Red 6 (Cyan)      | 000 ⇄ 255 | 0-100%          |
| 54      | Green 6 (Magenta) | 000 ⇄ 255 | 0-100%          |
| 55      | Blue 6 (Yellow)   | 000 ⇄ 255 | 0-100%          |
| 56      | White 6           | 000 ⇄ 255 | 0-100%          |
| 57      | Dimmer 7          | 000 ⇄ 255 | 0-100%          |
| 58      | Red 7 (Cyan)      | 000 ⇄ 255 | 0-100%          |
| 59      | Green 7 (Magenta) | 000 ⇄ 255 | 0-100%          |
| 60      | Blue 7 (Yellow)   | 000 ⇄ 255 | 0-100%          |
| 61      | White 7           | 000 ⇄ 255 | 0-100%          |
| 62      | Dimmer 8          | 000 ⇄ 255 | 0-100%          |
| 63      | Red 8 (Cyan)      | 000 ⇄ 255 | 0-100%          |
| 64      | Green 8 (Magenta) | 000 ⇄ 255 | 0-100%          |
| 65      | Blue 8 (Yellow)   | 000 ⇄ 255 | 0-100%          |
| 66      | White 8           | 000 ⇄ 255 | 0-100%          |
| 67      | Dimmer 9          | 000 ⇄ 255 | 0-100%          |
| 68      | Red 9 (Cyan)      | 000 ⇄ 255 | 0-100%          |
| 69      | Green 9 (Magenta) | 000 ⇄ 255 | 0-100%          |
| 70      | Blue 9 (Yellow)   | 000 ⇄ 255 | 0-100%          |
| 71      | White 9           | 000 ⇄ 255 | 0-100%          |

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| Channel | Function       | Value     | Percent/Setting       |
|---------|----------------|-----------|-----------------------|
| 1       | Pan            | 000 ⇄ 255 | 0-100%                |
| 2       | Fine Pan       | 000 ⇄ 255 | Fine control (16-bit) |
| 3       | Tilt           | 000 ⇄ 255 | 0-100%                |
| 4       | Fine Tilt      | 000 ⇄ 255 | Fine control (16-bit) |
| 5       | Pan/Tilt Speed | 000 ⇄ 255 | 0-100%                |
| 6       | Dimmer         | 000 ⇄ 255 | 0-100%                |
| 7       | Fine Dimmer    | 000 ⇄ 255 | Fine control (16-bit) |

| Channel   | Function  | Value     | Percent/Setting  |
|-----------|---|-----------|--|
| <b>8</b>  | <b>Shutter</b>                                  | 000 ⇔ 019 | off  |
|           |   | 020 ⇔ 024 | on   |
|           |   | 025 ⇔ 064 | strobe 1 with decreasing speed                           |
|           |   | 065 ⇔ 069 | on   |
|           |   | 070 ⇔ 084 | strobe 2 (fast on slow off) with decreasing speed        |
|           |   | 085 ⇔ 089 | on   |
|           |   | 090 ⇔ 104 | strobe 3 (slow on fast off) with decreasing speed        |
|           |   | 105 ⇔ 109 | on   |
|           |   | 110 ⇔ 124 | strobe 4 (random strobe) with decreasing speed           |
|           |   | 125 ⇔ 129 | on   |
|           |   | 130 ⇔ 144 | strobe 5 (random fast on slow off) with decreasing speed |
|           |   | 145 ⇔ 149 | on   |
|           |   | 150 ⇔ 164 | strobe 6 (random slow on fast off) with decreasing speed |
|           |   | 165 ⇔ 169 | on   |
|           |   | 170 ⇔ 184 | strobe 7 (pulse strobe) with decreasing speed            |
|           |   | 185 ⇔ 189 | on   |
|           |   | 190 ⇔ 204 | strobe 8 (random pulse strobe) with decreasing speed     |
| 205 ⇔ 209 | on  |           |  |
| 210 ⇔ 224 | strobe 9 (fade on or off) with decreasing speed |           |  |
| 225 ⇔ 229 | on  |           |  |
| 230 ⇔ 244 | strobe 10 (pulse strobe) with decreasing speed  |           |  |
| 245 ⇔ 255 | on  |           |  |
| <b>9</b>  | <b>CTC</b>                                      | 000       | No function  |
|           |   | 001 ⇔ 255 | 2800 to 10,000K  |
| <b>10</b> | <b>Color</b>                                    | 000       | No function  |
|           |   | 001 ⇔ 002 | 2700K    R:156    G: 118    B: 0    W: 63                |
|           |   | 003 ⇔ 004 | 3200K    R:156    G: 141    B: 5    W: 89                |
|           |   | 005 ⇔ 006 | 4200K    R:156    G: 141    B: 14    W: 255              |
|           |   | 007 ⇔ 008 | 5600K    R:156    G: 207    B: 54    W: 255              |
|           |   | 009 ⇔ 010 | 8000K    R:130    G: 255    B: 96    W: 255              |
|           |   | 11        | Blue    R: 0    G: 0    B: 255    W: 0                   |
|           |   | 012 ⇔ 048 | R: 0    G: +    B: 255    W: 0                           |
|           |   | 049       | Cyan    R: 0    G: 255    B: 255    W: 0                 |
|           |   | 050 ⇔ 086 | R: 0    G: 255    B: -    W: 0                           |
|           |   | 087       | Green    R: 0    G: 255    B: 0    W: 0                  |
|           |   | 088 ⇔ 124 | R: +    G: 255    B: 0    W: 0                           |
|           |   | 125       | Yellow    R: 255    G: 255    B: 0    W: 0               |
|           |   | 126 ⇔ 162 | R: 255    G: -    B: 0    W: 0                           |
|           |   | 163       | Red    R: 255    G: 0    B: 0    W: 0                    |
|           |   | 164 ⇔ 200 | R: 255    G: 0    B: +    W: 0                           |
|           |   | 201       | Magenta    R: 255    G: 0    B: 255    W: 0              |
|           |   | 202 ⇔ 238 | R: -    G: 0    B: 255    W: 0                           |
|           |   | 239       | Blue    R: 0    G: 0    B: 255    W: 0                   |
|           |   | 240 ⇔ 247 | Color change, fast to slow                               |
| 248 ⇔ 255 | Color jump, fast to slow                        |           |  |



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| Channel   | Function | Value     | Percent/Setting |
|-----------|----------|-----------|-----------------|
| 11        | Gobo     | 000 ⇄ 003 | No function     |
|           |          | 004 ⇄ 006 | Gobo 1          |
|           |          | 007 ⇄ 009 | Gobo 2          |
|           |          | 010 ⇄ 012 | Gobo 3          |
|           |          | 013 ⇄ 015 | Gobo 4          |
|           |          | 016 ⇄ 018 | Gobo 5          |
|           |          | 019 ⇄ 021 | Gobo 6          |
|           |          | 022 ⇄ 024 | Gobo 7          |
|           |          | 025 ⇄ 027 | Gobo 8          |
|           |          | 028 ⇄ 030 | Gobo 9          |
|           |          | 031 ⇄ 033 | No Gobo         |
|           |          | 034 ⇄ 036 | Gobo 10         |
|           |          | 037 ⇄ 039 | Gobo 11         |
|           |          | 040 ⇄ 042 | Gobo 12         |
|           |          | 043 ⇄ 045 | Gobo 13         |
|           |          | 046 ⇄ 048 | Gobo 14         |
|           |          | 049 ⇄ 051 | Gobo 15         |
|           |          | 052 ⇄ 054 | Gobo 16         |
|           |          | 055 ⇄ 057 | Gobo 17         |
|           |          | 058 ⇄ 060 | Gobo 18         |
|           |          | 061 ⇄ 063 | Gobo 19         |
|           |          | 064 ⇄ 066 | Gobo 20         |
|           |          | 067 ⇄ 069 | Gobo 21         |
|           |          | 070 ⇄ 072 | Gobo 22         |
|           |          | 073 ⇄ 075 | Gobo 23         |
|           |          | 076 ⇄ 078 | Gobo 24         |
|           |          | 079 ⇄ 081 | Gobo 25         |
|           |          | 082 ⇄ 084 | Gobo 26         |
|           |          | 085 ⇄ 087 | Gobo 27         |
|           |          | 088 ⇄ 090 | Gobo 28         |
|           |          | 091 ⇄ 093 | Gobo 29         |
|           |          | 094 ⇄ 096 | Gobo 30         |
|           |          | 097 ⇄ 099 | Gobo 31         |
|           |          | 100 ⇄ 102 | Gobo 32         |
|           |          | 103 ⇄ 105 | Gobo 33         |
|           |          | 106 ⇄ 108 | Gobo 34         |
|           |          | 109 ⇄ 111 | Gobo 35         |
|           |          | 112 ⇄ 114 | Gobo 36         |
|           |          | 115 ⇄ 117 | Gobo 37         |
| 118 ⇄ 120 | Gobo 38  |           |                 |
| 121 ⇄ 123 | Gobo 39  |           |                 |

| Channel   | Function            | Value     | Percent/Setting |
|-----------|---------------------|-----------|-----------------|
| <b>11</b> | <b>Gobo</b>         | 124 ⇄ 126 | Gobo 40         |
|           |                     | 127 ⇄ 129 | Gobo 41         |
|           |                     | 130 ⇄ 132 | Gobo 42         |
|           |                     | 133 ⇄ 135 | Gobo 43         |
|           |                     | 136 ⇄ 138 | Gobo 44         |
|           |                     | 139 ⇄ 141 | Gobo 45         |
|           |                     | 142 ⇄ 144 | Gobo 46         |
|           |                     | 145 ⇄ 147 | Gobo 47         |
|           |                     | 148 ⇄ 150 | Gobo 48         |
|           |                     | 151 ⇄ 153 | Gobo 49         |
|           |                     | 154 ⇄ 156 | Gobo 50         |
|           |                     | 157 ⇄ 159 | Gobo 51         |
|           |                     | 160 ⇄ 162 | Gobo 52         |
|           |                     | 163 ⇄ 165 | Gobo 53         |
|           |                     | 166 ⇄ 168 | Gobo 54         |
|           |                     | 169 ⇄ 171 | Gobo 55         |
|           |                     | 172 ⇄ 174 | Gobo 56         |
|           |                     | 175 ⇄ 177 | Gobo 57         |
|           |                     | 178 ⇄ 180 | Gobo 58         |
|           |                     | 181 ⇄ 183 | Gobo 59         |
|           |                     | 184 ⇄ 186 | Gobo 60         |
|           |                     | 187 ⇄ 189 | Gobo 61         |
|           |                     | 190 ⇄ 192 | Gobo 62         |
|           |                     | 193 ⇄ 195 | Gobo 63         |
|           |                     | 196 ⇄ 198 | Gobo 64         |
|           |                     | 199 ⇄ 201 | Gobo 65         |
|           |                     | 202 ⇄ 204 | Gobo 66         |
|           |                     | 205 ⇄ 207 | Gobo 67         |
|           |                     | 208 ⇄ 210 | Gobo 68         |
|           |                     | 211 ⇄ 213 | Gobo 69         |
|           |                     | 214 ⇄ 216 | Gobo 70         |
|           |                     | 217 ⇄ 219 | Gobo 71         |
|           |                     | 220 ⇄ 222 | Gobo 72         |
|           |                     | 223 ⇄ 225 | Gobo 73         |
| 226 ⇄ 228 | Gobo 74             |           |                 |
| 229 ⇄ 231 | Gobo 75             |           |                 |
| 232 ⇄ 234 | Gobo 76             |           |                 |
| 235 ⇄ 237 | Gobo 77             |           |                 |
| 238 ⇄ 240 | Gobo 78             |           |                 |
| 241 ⇄ 243 | Gobo 79             |           |                 |
| 244 ⇄ 246 | Gobo 80             |           |                 |
| 247 ⇄ 249 | Gobo 81             |           |                 |
| 250 ⇄ 252 | Gobo 82             |           |                 |
| 253 ⇄ 255 | Gobo 83             |           |                 |
| <b>12</b> | <b>LED Built-in</b> | 000 ⇄ 015 | No function     |
|           |                     | 016 ⇄ 017 | Built-in 1      |
|           |                     | 018 ⇄ 019 | Built-in 2      |
|           |                     | 020 ⇄ 021 | Built-in 3      |
|           |                     | 022 ⇄ 023 | Built-in 4      |
|           |                     | 024 ⇄ 025 | Built-in 5      |
|           |                     | 026 ⇄ 027 | Built-in 6      |
|           |                     | 028 ⇄ 029 | Built-in 7      |
|           |                     | 030 ⇄ 031 | Built-in 8      |
|           |                     | 032 ⇄ 033 | Built-in 9      |
|           |                     | 034 ⇄ 035 | Built-in 10     |
|           |                     | 036 ⇄ 037 | Built-in 11     |
|           |                     | 038 ⇄ 039 | Built-in 12     |
|           |                     | 040 ⇄ 041 | Built-in 13     |
|           |                     | 042 ⇄ 043 | Built-in 14     |
|           |                     | 044 ⇄ 045 | Built-in 15     |
|           |                     | 046 ⇄ 047 | Built-in 16     |
|           |                     | 048 ⇄ 049 | Built-in 17     |
|           |                     | 050 ⇄ 051 | Built-in 18     |
|           |                     | 052 ⇄ 053 | Built-in 19     |
| 054 ⇄ 055 | Built-in 20         |           |                 |

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| Channel   | Function     | Value     | Percent/Setting |
|-----------|--------------|-----------|-----------------|
| 12        | LED Built-in | 056 ⇄ 057 | Built-in 21     |
|           |              | 058 ⇄ 059 | Built-in 22     |
|           |              | 060 ⇄ 061 | Built-in 23     |
|           |              | 062 ⇄ 063 | Built-in 24     |
|           |              | 064 ⇄ 065 | Built-in 25     |
|           |              | 066 ⇄ 067 | Built-in 26     |
|           |              | 068 ⇄ 069 | Built-in 27     |
|           |              | 070 ⇄ 071 | Built-in 28     |
|           |              | 072 ⇄ 073 | Built-in 29     |
|           |              | 074 ⇄ 075 | Built-in 30     |
|           |              | 076 ⇄ 077 | Built-in 31     |
|           |              | 078 ⇄ 079 | Built-in 32     |
|           |              | 080 ⇄ 081 | Built-in 33     |
|           |              | 082 ⇄ 083 | Built-in 34     |
|           |              | 084 ⇄ 085 | Built-in 35     |
|           |              | 086 ⇄ 087 | Built-in 36     |
|           |              | 088 ⇄ 089 | Built-in 37     |
|           |              | 090 ⇄ 091 | Built-in 38     |
|           |              | 092 ⇄ 093 | Built-in 39     |
|           |              | 094 ⇄ 095 | Built-in 40     |
|           |              | 096 ⇄ 097 | Built-in 41     |
|           |              | 098 ⇄ 099 | Built-in 42     |
|           |              | 100 ⇄ 101 | Built-in 43     |
|           |              | 102 ⇄ 103 | Built-in 44     |
|           |              | 104 ⇄ 105 | Built-in 45     |
|           |              | 106 ⇄ 107 | Built-in 46     |
|           |              | 108 ⇄ 109 | Built-in 47     |
|           |              | 110 ⇄ 111 | Built-in 48     |
|           |              | 112 ⇄ 113 | Built-in 49     |
|           |              | 114 ⇄ 115 | Built-in 50     |
|           |              | 116 ⇄ 117 | Built-in 51     |
|           |              | 118 ⇄ 119 | Built-in 52     |
|           |              | 120 ⇄ 121 | Built-in 53     |
|           |              | 122 ⇄ 123 | Built-in 54     |
|           |              | 124 ⇄ 125 | Built-in 55     |
| 126 ⇄ 127 | Built-in 56  |           |                 |
| 128 ⇄ 135 | Built-in 57  |           |                 |
| 136 ⇄ 137 | Built-in 58  |           |                 |
| 138 ⇄ 139 | Built-in 59  |           |                 |
| 140 ⇄ 141 | Built-in 60  |           |                 |
| 142 ⇄ 143 | Built-in 61  |           |                 |
| 144 ⇄ 145 | Built-in 62  |           |                 |
| 146 ⇄ 147 | Built-in 63  |           |                 |
| 148 ⇄ 149 | Built-in 64  |           |                 |
| 150 ⇄ 151 | Built-in 65  |           |                 |
| 152 ⇄ 153 | Built-in 66  |           |                 |
| 154 ⇄ 155 | Built-in 67  |           |                 |
| 156 ⇄ 157 | Built-in 68  |           |                 |
| 158 ⇄ 159 | Built-in 69  |           |                 |
| 160 ⇄ 161 | Built-in 70  |           |                 |
| 162 ⇄ 163 | Built-in 71  |           |                 |
| 164 ⇄ 165 | Built-in 72  |           |                 |
| 166 ⇄ 167 | Built-in 73  |           |                 |
| 168 ⇄ 169 | Built-in 74  |           |                 |
| 170 ⇄ 171 | Built-in 75  |           |                 |
| 172 ⇄ 173 | Built-in 76  |           |                 |
| 174 ⇄ 175 | Built-in 77  |           |                 |
| 176 ⇄ 177 | Built-in 78  |           |                 |
| 178 ⇄ 179 | Built-in 79  |           |                 |
| 180 ⇄ 181 | Built-in 80  |           |                 |
| 182 ⇄ 183 | Built-in 81  |           |                 |
| 184 ⇄ 185 | Built-in 82  |           |                 |
| 186 ⇄ 187 | Built-in 83  |           |                 |
| 188 ⇄ 189 | Built-in 84  |           |                 |
| 190 ⇄ 191 | Built-in 85  |           |                 |

| Channel   | Function                   | Value                         | Percent/Setting  |
|-----------|----------------------------|-------------------------------|--|
| 12        | LED Built-in               | 192 ⇄ 193                     | Built-in 86  |
|           |                            | 194 ⇄ 195                     | Built-in 87  |
|           |                            | 196 ⇄ 197                     | Built-in 88  |
|           |                            | 198 ⇄ 199                     | Built-in 89  |
|           |                            | 200 ⇄ 201                     | Built-in 90  |
|           |                            | 202 ⇄ 203                     | Built-in 91  |
|           |                            | 204 ⇄ 205                     | Built-in 92  |
|           |                            | 206 ⇄ 207                     | Built-in 93  |
|           |                            | 208 ⇄ 209                     | Built-in 94  |
|           |                            | 210 ⇄ 211                     | Built-in 95  |
|           |                            | 212 ⇄ 213                     | Built-in 96  |
|           |                            | 214 ⇄ 215                     | Built-in 97  |
|           |                            | 216 ⇄ 217                     | Built-in 98  |
|           |                            | 218 ⇄ 219                     | Built-in 99  |
|           |                            | 220 ⇄ 221                     | Built-in 100   |
|           |                            | 222 ⇄ 223                     | Built-in 101   |
|           |                            | 224 ⇄ 225                     | Built-in 102   |
|           |                            | 226 ⇄ 227                     | Built-in 103   |
|           |                            | 228 ⇄ 229                     | Built-in 104   |
|           |                            | 230 ⇄ 231                     | Built-in 105   |
| 232 ⇄ 233 | Built-in 106               |                               |  |
| 234 ⇄ 235 | Built-in 107               |                               |  |
| 236 ⇄ 237 | Built-in 108               |                               |  |
| 238 ⇄ 239 | Built-in 109               |                               |  |
| 240 ⇄ 241 | Built-in 110               |                               |  |
| 242 ⇄ 243 | Built-in 111               |                               |  |
| 244 ⇄ 245 | Built-in 112               |                               |  |
| 246 ⇄ 247 | Built-in 113               |                               |  |
| 248 ⇄ 255 | Built-in 114               |                               |  |
| 13        | LED Built-in Speed         | 000 ⇄ 127<br>128<br>129 ⇄ 255 | Clockwise fast to slow<br>Stop<br>Counter-clockwise slow to fast |
| 14        | LED Built-in Delay         | 000 ⇄ 255                     | Fast to slow   |
| 15        | Background Color Macros    | 000                           | No function  |
|           |                            | 001 ⇄ 002                     | 2700K R:156 G: 118 B: 0 W: 63                                    |
|           |                            | 003 ⇄ 004                     | 3200K R:156 G: 141 B: 5 W: 89                                    |
|           |                            | 005 ⇄ 006                     | 4200K R:156 G: 141 B: 14 W: 255                                  |
|           |                            | 007 ⇄ 008                     | 5600K R:156 G: 207 B: 54 W: 255                                  |
|           |                            | 009 ⇄ 010                     | 8000K R:130 G: 255 B: 96 W: 255                                  |
|           |                            | 11                            | Blue R: 0 G: 0 B: 255 W: 0                                       |
|           |                            | 012 ⇄ 048                     | R: 0 G: + B: 255 W: 0  |
|           |                            | 049                           | Cyan R: 0 G: 255 B: 255 W: 0                                     |
|           |                            | 050 ⇄ 086                     | R: 0 G: 255 B: - W: 0  |
|           |                            | 087                           | Green R: 0 G: 255 B: 0 W: 0                                      |
|           |                            | 088 ⇄ 124                     | R: + G: 255 B: 0 W: 0  |
|           |                            | 125                           | Yellow R: 255 G: 255 B: 0 W: 0                                   |
|           |                            | 126 ⇄ 162                     | R: 255 G: - B: 0 W: 0  |
|           |                            | 163                           | Red R: 255 G: 0 B: 0 W: 0  |
|           |                            | 164 ⇄ 200                     | R: 255 G: 0 B: + W: 0  |
|           |                            | 201                           | Magenta R: 255 G: 0 B: 255 W: 0                                  |
|           |                            | 202 ⇄ 238                     | R: - G: 0 B: 255 W: 0  |
| 239       | Blue R: 0 G: 0 B: 255 W: 0 |                               |  |
| 240 ⇄ 247 | Color change, fast to slow |                               |  |
| 248 ⇄ 255 | Color jump, fast to slow   |                               |  |
| 16        | Background Color Dimmer    | 000 ⇄ 255                     | 0-100%   |
| 17        | Background Red             | 000 ⇄ 255                     | 0-100%   |
| 18        | Background Green           | 000 ⇄ 255                     | 0-100%   |
| 19        | Background Blue            | 000 ⇄ 255                     | 0-100%   |
| 20        | Background White           | 000 ⇄ 255                     | 0-100%   |
| 21        | Zoom                       | 000 ⇄ 255                     | 0-100%   |

# DMX CHART



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| Channel   | Function           | Value     | Percent/Setting            |
|-----------|--------------------|-----------|----------------------------|
| 22        | Control            | 001 ⇄ 009 | No function                |
|           |                    | 010 ⇄ 014 | Pan/Tilt blackout          |
|           |                    | 015 ⇄ 019 | No function                |
|           |                    | 020 ⇄ 024 | RGBW color mixing (5 sec.) |
|           |                    | 025 ⇄ 029 | CMY color mixing (5 sec.)  |
|           |                    | 030 ⇄ 034 | No function                |
|           |                    | 035 ⇄ 039 | No function                |
|           |                    | 040 ⇄ 044 | No function                |
|           |                    | 045 ⇄ 049 | No function                |
|           |                    | 050 ⇄ 054 | Pan reset                  |
|           |                    | 055 ⇄ 059 | Tilt reset                 |
|           |                    | 060 ⇄ 064 | Zoom reset                 |
|           |                    | 065 ⇄ 069 | No function                |
|           |                    | 070 ⇄ 074 | All reset                  |
|           |                    | 075 ⇄ 079 | No function                |
|           |                    | 080 ⇄ 084 | Pan/Tilt reverse           |
|           |                    | 085 ⇄ 089 | Pan reverse                |
|           |                    | 090 ⇄ 094 | Tilt reverse               |
|           |                    | 095 ⇄ 099 | Cancel pan reverse         |
|           |                    | 100 ⇄ 104 | Cancel tilt reverse        |
|           |                    | 105 ⇄ 109 | Cancel pan/tilt reverse    |
| 110 ⇄ 114 | No function        |           |                            |
| 115 ⇄ 119 | No function        |           |                            |
| 120 ⇄ 124 | Fan low speed      |           |                            |
| 125 ⇄ 129 | Fan full speed     |           |                            |
| 130 ⇄ 134 | Fan auto           |           |                            |
| 135 ⇄ 139 | Dimmer Fast mode   |           |                            |
| 140 ⇄ 144 | Dimmer Smooth mode |           |                            |
| 145 ⇄ 255 | No function        |           |                            |
| 23        | Red (Cyan)         | 000 ⇄ 255 | 0-100%                     |
| 24        | Green (Magenta)    | 000 ⇄ 255 | 0-100%                     |
| 25        | Blue (Yellow)      | 000 ⇄ 255 | 0-100%                     |
| 26        | White              | 000 ⇄ 255 | 0-100%                     |
| 27        | Red 1 (Cyan)       | 000 ⇄ 255 | 0-100%                     |
| 28        | Green 1 (Magenta)  | 000 ⇄ 255 | 0-100%                     |
| 29        | Blue 1 (Yellow)    | 000 ⇄ 255 | 0-100%                     |
| 30        | White 1            | 000 ⇄ 255 | 0-100%                     |
| 31        | Red 2 (Cyan)       | 000 ⇄ 255 | 0-100%                     |
| 32        | Green 2 (Magenta)  | 000 ⇄ 255 | 0-100%                     |
| 33        | Blue 2 (Yellow)    | 000 ⇄ 255 | 0-100%                     |
| 34        | White 2            | 000 ⇄ 255 | 0-100%                     |
| 35        | Red 3 (Cyan)       | 000 ⇄ 255 | 0-100%                     |
| 36        | Green 3 (Magenta)  | 000 ⇄ 255 | 0-100%                     |
| 37        | Blue 3 (Yellow)    | 000 ⇄ 255 | 0-100%                     |
| 38        | White 3            | 000 ⇄ 255 | 0-100%                     |
| 39        | Red 4 (Cyan)       | 000 ⇄ 255 | 0-100%                     |
| 40        | Green 4 (Magenta)  | 000 ⇄ 255 | 0-100%                     |
| 41        | Blue 4 (Yellow)    | 000 ⇄ 255 | 0-100%                     |
| 42        | White 4            | 000 ⇄ 255 | 0-100%                     |
| 43        | Red 5 (Cyan)       | 000 ⇄ 255 | 0-100%                     |
| 44        | Green 5 (Magenta)  | 000 ⇄ 255 | 0-100%                     |
| 45        | Blue 5 (Yellow)    | 000 ⇄ 255 | 0-100%                     |
| 46        | White 5            | 000 ⇄ 255 | 0-100%                     |
| 47        | Red 6 (Cyan)       | 000 ⇄ 255 | 0-100%                     |
| 48        | Green 6 (Magenta)  | 000 ⇄ 255 | 0-100%                     |

| Channel | Function          | Value     | Percent/Setting |
|---------|-------------------|-----------|-----------------|
| 49      | Blue 6 (Yellow)   | 000 ⇔ 255 | 0-100%          |
| 50      | White 6           | 000 ⇔ 255 | 0-100%          |
| 51      | Red 7 (Cyan)      | 000 ⇔ 255 | 0-100%          |
| 52      | Green 7 (Magenta) | 000 ⇔ 255 | 0-100%          |
| 53      | Blue 7 (Yellow)   | 000 ⇔ 255 | 0-100%          |
| 54      | White 7           | 000 ⇔ 255 | 0-100%          |
| 55      | Red 8 (Cyan)      | 000 ⇔ 255 | 0-100%          |
| 56      | Green 8 (Magenta) | 000 ⇔ 255 | 0-100%          |
| 57      | Blue 8 (Yellow)   | 000 ⇔ 255 | 0-100%          |
| 58      | White 8           | 000 ⇔ 255 | 0-100%          |
| 59      | Red 9 (Cyan)      | 000 ⇔ 255 | 0-100%          |
| 60      | Green 9 (Magenta) | 000 ⇔ 255 | 0-100%          |
| 61      | Blue 9 (Yellow)   | 000 ⇔ 255 | 0-100%          |
| 62      | White 9           | 000 ⇔ 255 | 0-100%          |

## 21 Ch

| Channel   | Function   | Value     | Percent/Setting  |
|-----------|--|-----------|--|
| 1         | Pan  | 000 ⇔ 255 | 0-100%   |
| 2         | Fine Pan   | 000 ⇔ 255 | Fine control (16-bit)                                    |
| 3         | Tilt   | 000 ⇔ 255 | 0-100%   |
| 4         | Fine Tilt  | 000 ⇔ 255 | Fine control (16-bit)                                    |
| 5         | Pan/Tilt Speed                                       | 000 ⇔ 255 | 0-100%   |
| 6         | Dimmer   | 000 ⇔ 255 | 0-100%   |
| 7         | Shutter  | 000 ⇔ 019 | off  |
|           |  | 020 ⇔ 024 | on   |
|           |  | 025 ⇔ 064 | strobe 1 with decreasing speed                           |
|           |  | 065 ⇔ 069 | on   |
|           |  | 070 ⇔ 084 | strobe 2 (fast on slow off) with decreasing speed        |
|           |  | 085 ⇔ 089 | on   |
|           |  | 090 ⇔ 104 | strobe 3 (slow on fast off) with decreasing speed        |
|           |  | 105 ⇔ 109 | on   |
|           |  | 110 ⇔ 124 | strobe 4 (random strobe) with decreasing speed           |
|           |  | 125 ⇔ 129 | on   |
|           |  | 130 ⇔ 144 | strobe 5 (random fast on slow off) with decreasing speed |
|           |  | 145 ⇔ 149 | on   |
|           |  | 150 ⇔ 164 | strobe 6 (random slow on fast off) with decreasing speed |
|           |  | 165 ⇔ 169 | on   |
| 170 ⇔ 184 | strobe 7 (pulse strobe) with decreasing speed        |           |  |
| 185 ⇔ 189 | on   |           |  |
| 190 ⇔ 204 | strobe 8 (random pulse strobe) with decreasing speed |           |  |
| 205 ⇔ 209 | on   |           |  |
| 210 ⇔ 224 | strobe 9 (fade on or off) with decreasing speed      |           |  |
| 225 ⇔ 229 | on   |           |  |
| 230 ⇔ 244 | strobe 10 (pulse strobe) with decreasing speed       |           |  |
| 245 ⇔ 255 | on   |           |  |
| 8         | CTC  | 000       | No function  |
|           |  | 001 ⇔ 255 | 2800 to 10,000K  |

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| Channel   | Function     | Value     | Percent/Setting            |           |             |        |        |  |  |
|-----------|--------------|-----------|----------------------------|-----------|-------------|--------|--------|--|--|
| <b>9</b>  | <b>Color</b> | 000       | No function                |           |             |        |        |  |  |
|           |              | 001 ⇄ 002 | 2700K                      | R:156     | G: 118      | B: 0   | W: 63  |  |  |
|           |              | 003 ⇄ 004 | 3200K                      | R:156     | G: 141      | B: 5   | W: 89  |  |  |
|           |              | 005 ⇄ 006 | 4200K                      | R:156     | G: 141      | B: 14  | W: 255 |  |  |
|           |              | 007 ⇄ 008 | 5600K                      | R:156     | G: 207      | B: 54  | W: 255 |  |  |
|           |              | 009 ⇄ 010 | 8000K                      | R:130     | G: 255      | B: 96  | W: 255 |  |  |
|           |              | 11        | Blue                       | R: 0      | G: 0        | B: 255 | W: 0   |  |  |
|           |              | 012 ⇄ 048 |                            | R: 0      | G: +        | B: 255 | W: 0   |  |  |
|           |              | 049       | Cyan                       | R: 0      | G: 255      | B: 255 | W: 0   |  |  |
|           |              | 050 ⇄ 086 |                            | R: 0      | G: 255      | B: -   | W: 0   |  |  |
|           |              | 087       | Green                      | R: 0      | G: 255      | B: 0   | W: 0   |  |  |
|           |              | 088 ⇄ 124 |                            | R: +      | G: 255      | B: 0   | W: 0   |  |  |
|           |              | 125       | Yellow                     | R: 255    | G: 255      | B: 0   | W: 0   |  |  |
|           |              | 126 ⇄ 162 |                            | R: 255    | G: -        | B: 0   | W: 0   |  |  |
|           |              | 163       | Red                        | R: 255    | G: 0        | B: 0   | W: 0   |  |  |
|           |              | 164 ⇄ 200 |                            | R: 255    | G: 0        | B: +   | W: 0   |  |  |
|           |              | 201       | Magenta                    | R: 255    | G: 0        | B: 255 | W: 0   |  |  |
|           |              | 202 ⇄ 238 |                            | R: -      | G: 0        | B: 255 | W: 0   |  |  |
|           |              | 239       | Blue                       | R: 0      | G: 0        | B: 255 | W: 0   |  |  |
|           |              | 240 ⇄ 247 | Color change, fast to slow |           |             |        |        |  |  |
|           |              | 248 ⇄ 255 | Color jump, fast to slow   |           |             |        |        |  |  |
|           |              | <b>10</b> | <b>Gobo</b>                | 000 ⇄ 003 | No function |        |        |  |  |
|           |              |           |                            | 004 ⇄ 006 | Gobo 1      |        |        |  |  |
|           |              |           |                            | 007 ⇄ 009 | Gobo 2      |        |        |  |  |
| 010 ⇄ 012 | Gobo 3       |           |                            |           |             |        |        |  |  |
| 013 ⇄ 015 | Gobo 4       |           |                            |           |             |        |        |  |  |
| 016 ⇄ 018 | Gobo 5       |           |                            |           |             |        |        |  |  |
| 019 ⇄ 021 | Gobo 6       |           |                            |           |             |        |        |  |  |
| 022 ⇄ 024 | Gobo 7       |           |                            |           |             |        |        |  |  |
| 025 ⇄ 027 | Gobo 8       |           |                            |           |             |        |        |  |  |
| 028 ⇄ 030 | Gobo 9       |           |                            |           |             |        |        |  |  |
| 031 ⇄ 033 | No Gobo      |           |                            |           |             |        |        |  |  |
| 034 ⇄ 036 | Gobo 10      |           |                            |           |             |        |        |  |  |
| 037 ⇄ 039 | Gobo 11      |           |                            |           |             |        |        |  |  |
| 040 ⇄ 042 | Gobo 12      |           |                            |           |             |        |        |  |  |
| 043 ⇄ 045 | Gobo 13      |           |                            |           |             |        |        |  |  |
| 046 ⇄ 048 | Gobo 14      |           |                            |           |             |        |        |  |  |
| 049 ⇄ 051 | Gobo 15      |           |                            |           |             |        |        |  |  |
| 052 ⇄ 054 | Gobo 16      |           |                            |           |             |        |        |  |  |
| 055 ⇄ 057 | Gobo 17      |           |                            |           |             |        |        |  |  |
| 058 ⇄ 060 | Gobo 18      |           |                            |           |             |        |        |  |  |
| 061 ⇄ 063 | Gobo 19      |           |                            |           |             |        |        |  |  |
| 064 ⇄ 066 | Gobo 20      |           |                            |           |             |        |        |  |  |
| 067 ⇄ 069 | Gobo 21      |           |                            |           |             |        |        |  |  |
| 070 ⇄ 072 | Gobo 22      |           |                            |           |             |        |        |  |  |
| 073 ⇄ 075 | Gobo 23      |           |                            |           |             |        |        |  |  |
| 076 ⇄ 078 | Gobo 24      |           |                            |           |             |        |        |  |  |
| 079 ⇄ 081 | Gobo 25      |           |                            |           |             |        |        |  |  |
| 082 ⇄ 084 | Gobo 26      |           |                            |           |             |        |        |  |  |
| 085 ⇄ 087 | Gobo 27      |           |                            |           |             |        |        |  |  |
| 088 ⇄ 090 | Gobo 28      |           |                            |           |             |        |        |  |  |
| 091 ⇄ 093 | Gobo 29      |           |                            |           |             |        |        |  |  |
| 094 ⇄ 096 | Gobo 30      |           |                            |           |             |        |        |  |  |
| 097 ⇄ 099 | Gobo 31      |           |                            |           |             |        |        |  |  |
| 100 ⇄ 102 | Gobo 32      |           |                            |           |             |        |        |  |  |
| 103 ⇄ 105 | Gobo 33      |           |                            |           |             |        |        |  |  |
| 106 ⇄ 108 | Gobo 34      |           |                            |           |             |        |        |  |  |
| 109 ⇄ 111 | Gobo 35      |           |                            |           |             |        |        |  |  |
| 112 ⇄ 114 | Gobo 36      |           |                            |           |             |        |        |  |  |
| 115 ⇄ 117 | Gobo 37      |           |                            |           |             |        |        |  |  |
| 118 ⇄ 120 | Gobo 38      |           |                            |           |             |        |        |  |  |
| 121 ⇄ 123 | Gobo 39      |           |                            |           |             |        |        |  |  |

| Channel   | Function     | Value     | Percent/Setting |
|-----------|--------------|-----------|-----------------|
| 10        | Gobo         | 124 ⇄ 126 | Gobo 40         |
|           |              | 127 ⇄ 129 | Gobo 41         |
|           |              | 130 ⇄ 132 | Gobo 42         |
|           |              | 133 ⇄ 135 | Gobo 43         |
|           |              | 136 ⇄ 138 | Gobo 44         |
|           |              | 139 ⇄ 141 | Gobo 45         |
|           |              | 142 ⇄ 144 | Gobo 46         |
|           |              | 145 ⇄ 147 | Gobo 47         |
|           |              | 148 ⇄ 150 | Gobo 48         |
|           |              | 151 ⇄ 153 | Gobo 49         |
|           |              | 154 ⇄ 156 | Gobo 50         |
|           |              | 157 ⇄ 159 | Gobo 51         |
|           |              | 160 ⇄ 162 | Gobo 52         |
|           |              | 163 ⇄ 165 | Gobo 53         |
|           |              | 166 ⇄ 168 | Gobo 54         |
|           |              | 169 ⇄ 171 | Gobo 55         |
|           |              | 172 ⇄ 174 | Gobo 56         |
|           |              | 175 ⇄ 177 | Gobo 57         |
|           |              | 178 ⇄ 180 | Gobo 58         |
|           |              | 181 ⇄ 183 | Gobo 59         |
|           |              | 184 ⇄ 186 | Gobo 60         |
|           |              | 187 ⇄ 189 | Gobo 61         |
|           |              | 190 ⇄ 192 | Gobo 62         |
|           |              | 193 ⇄ 195 | Gobo 63         |
|           |              | 196 ⇄ 198 | Gobo 64         |
|           |              | 199 ⇄ 201 | Gobo 65         |
|           |              | 202 ⇄ 204 | Gobo 66         |
|           |              | 205 ⇄ 207 | Gobo 67         |
|           |              | 208 ⇄ 210 | Gobo 68         |
|           |              | 211 ⇄ 213 | Gobo 69         |
|           |              | 214 ⇄ 216 | Gobo 70         |
|           |              | 217 ⇄ 219 | Gobo 71         |
|           |              | 220 ⇄ 222 | Gobo 72         |
|           |              | 223 ⇄ 225 | Gobo 73         |
| 226 ⇄ 228 | Gobo 74      |           |                 |
| 229 ⇄ 231 | Gobo 75      |           |                 |
| 232 ⇄ 234 | Gobo 76      |           |                 |
| 235 ⇄ 237 | Gobo 77      |           |                 |
| 238 ⇄ 240 | Gobo 78      |           |                 |
| 241 ⇄ 243 | Gobo 79      |           |                 |
| 244 ⇄ 246 | Gobo 80      |           |                 |
| 247 ⇄ 249 | Gobo 81      |           |                 |
| 250 ⇄ 252 | Gobo 82      |           |                 |
| 253 ⇄ 255 | Gobo 83      |           |                 |
| 11        | LED Built-in | 001 ⇄ 015 | No function     |
|           |              | 016 ⇄ 017 | Built-in 1      |
|           |              | 018 ⇄ 019 | Built-in 2      |
|           |              | 020 ⇄ 021 | Built-in 3      |
|           |              | 022 ⇄ 023 | Built-in 4      |
|           |              | 024 ⇄ 025 | Built-in 5      |
|           |              | 026 ⇄ 027 | Built-in 6      |
|           |              | 028 ⇄ 029 | Built-in 7      |
|           |              | 030 ⇄ 031 | Built-in 8      |
|           |              | 032 ⇄ 033 | Built-in 9      |
|           |              | 034 ⇄ 035 | Built-in 10     |
|           |              | 036 ⇄ 037 | Built-in 11     |
|           |              | 038 ⇄ 039 | Built-in 12     |
|           |              | 040 ⇄ 041 | Built-in 13     |
|           |              | 042 ⇄ 043 | Built-in 14     |
|           |              | 044 ⇄ 045 | Built-in 15     |
|           |              | 046 ⇄ 047 | Built-in 16     |
|           |              | 048 ⇄ 049 | Built-in 17     |
|           |              | 050 ⇄ 051 | Built-in 18     |
|           |              | 052 ⇄ 053 | Built-in 19     |
| 054 ⇄ 055 | Built-in 20  |           |                 |



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| Channel   | Function     | Value     | Percent/Setting |
|-----------|--------------|-----------|-----------------|
| 11        | LED Built-in | 056 ⇄ 057 | Built-in 21     |
|           |              | 058 ⇄ 059 | Built-in 22     |
|           |              | 060 ⇄ 061 | Built-in 23     |
|           |              | 062 ⇄ 063 | Built-in 24     |
|           |              | 064 ⇄ 065 | Built-in 25     |
|           |              | 066 ⇄ 067 | Built-in 26     |
|           |              | 068 ⇄ 069 | Built-in 27     |
|           |              | 070 ⇄ 071 | Built-in 28     |
|           |              | 072 ⇄ 073 | Built-in 29     |
|           |              | 074 ⇄ 075 | Built-in 30     |
|           |              | 076 ⇄ 077 | Built-in 31     |
|           |              | 078 ⇄ 079 | Built-in 32     |
|           |              | 080 ⇄ 081 | Built-in 33     |
|           |              | 082 ⇄ 083 | Built-in 34     |
|           |              | 084 ⇄ 085 | Built-in 35     |
|           |              | 086 ⇄ 087 | Built-in 36     |
|           |              | 088 ⇄ 089 | Built-in 37     |
|           |              | 090 ⇄ 091 | Built-in 38     |
|           |              | 092 ⇄ 093 | Built-in 39     |
|           |              | 094 ⇄ 095 | Built-in 40     |
|           |              | 096 ⇄ 097 | Built-in 41     |
|           |              | 098 ⇄ 099 | Built-in 42     |
|           |              | 100 ⇄ 101 | Built-in 43     |
|           |              | 102 ⇄ 103 | Built-in 44     |
|           |              | 104 ⇄ 105 | Built-in 45     |
|           |              | 106 ⇄ 107 | Built-in 46     |
|           |              | 108 ⇄ 109 | Built-in 47     |
|           |              | 110 ⇄ 111 | Built-in 48     |
|           |              | 112 ⇄ 113 | Built-in 49     |
|           |              | 114 ⇄ 115 | Built-in 50     |
|           |              | 116 ⇄ 117 | Built-in 51     |
|           |              | 118 ⇄ 119 | Built-in 52     |
|           |              | 120 ⇄ 121 | Built-in 53     |
|           |              | 122 ⇄ 123 | Built-in 54     |
|           |              | 124 ⇄ 125 | Built-in 55     |
| 126 ⇄ 127 | Built-in 56  |           |                 |
| 128 ⇄ 135 | Built-in 57  |           |                 |
| 136 ⇄ 137 | Built-in 58  |           |                 |
| 138 ⇄ 139 | Built-in 59  |           |                 |
| 140 ⇄ 141 | Built-in 60  |           |                 |
| 142 ⇄ 143 | Built-in 61  |           |                 |
| 144 ⇄ 145 | Built-in 62  |           |                 |
| 146 ⇄ 147 | Built-in 63  |           |                 |
| 148 ⇄ 149 | Built-in 64  |           |                 |
| 150 ⇄ 151 | Built-in 65  |           |                 |
| 152 ⇄ 153 | Built-in 66  |           |                 |
| 154 ⇄ 155 | Built-in 67  |           |                 |
| 156 ⇄ 157 | Built-in 68  |           |                 |
| 158 ⇄ 159 | Built-in 69  |           |                 |
| 160 ⇄ 161 | Built-in 70  |           |                 |
| 162 ⇄ 163 | Built-in 71  |           |                 |
| 164 ⇄ 165 | Built-in 72  |           |                 |
| 166 ⇄ 167 | Built-in 73  |           |                 |
| 168 ⇄ 169 | Built-in 74  |           |                 |
| 170 ⇄ 171 | Built-in 75  |           |                 |
| 172 ⇄ 173 | Built-in 76  |           |                 |
| 174 ⇄ 175 | Built-in 77  |           |                 |
| 176 ⇄ 177 | Built-in 78  |           |                 |
| 178 ⇄ 179 | Built-in 79  |           |                 |
| 180 ⇄ 181 | Built-in 80  |           |                 |
| 182 ⇄ 183 | Built-in 81  |           |                 |
| 184 ⇄ 185 | Built-in 82  |           |                 |
| 186 ⇄ 187 | Built-in 83  |           |                 |
| 188 ⇄ 189 | Built-in 84  |           |                 |
| 190 ⇄ 191 | Built-in 85  |           |                 |

| Channel   | Function                       | Value     | Percent/Setting                 |
|-----------|--------------------------------|-----------|---------------------------------|
| <b>11</b> | <b>LED Built-in</b>            | 192 ⇄ 193 | Built-in 86                     |
|           |                                | 194 ⇄ 195 | Built-in 87                     |
|           |                                | 196 ⇄ 197 | Built-in 88                     |
|           |                                | 198 ⇄ 199 | Built-in 89                     |
|           |                                | 200 ⇄ 201 | Built-in 90                     |
|           |                                | 202 ⇄ 203 | Built-in 91                     |
|           |                                | 204 ⇄ 205 | Built-in 92                     |
|           |                                | 206 ⇄ 207 | Built-in 93                     |
|           |                                | 208 ⇄ 209 | Built-in 94                     |
|           |                                | 210 ⇄ 211 | Built-in 95                     |
|           |                                | 212 ⇄ 213 | Built-in 96                     |
|           |                                | 214 ⇄ 215 | Built-in 97                     |
|           |                                | 216 ⇄ 217 | Built-in 98                     |
|           |                                | 218 ⇄ 219 | Built-in 99                     |
|           |                                | 220 ⇄ 221 | Built-in 100                    |
|           |                                | 222 ⇄ 223 | Built-in 101                    |
|           |                                | 224 ⇄ 225 | Built-in 102                    |
|           |                                | 226 ⇄ 227 | Built-in 103                    |
|           |                                | 228 ⇄ 229 | Built-in 104                    |
|           |                                | 230 ⇄ 231 | Built-in 105                    |
| 232 ⇄ 233 | Built-in 106                   |           |                                 |
| 234 ⇄ 235 | Built-in 107                   |           |                                 |
| 236 ⇄ 237 | Built-in 108                   |           |                                 |
| 238 ⇄ 239 | Built-in 109                   |           |                                 |
| 240 ⇄ 241 | Built-in 110                   |           |                                 |
| 242 ⇄ 243 | Built-in 111                   |           |                                 |
| 244 ⇄ 245 | Built-in 112                   |           |                                 |
| 246 ⇄ 247 | Built-in 113                   |           |                                 |
| 248 ⇄ 255 | Built-in 114                   |           |                                 |
| <b>12</b> | <b>LED Built-in Speed</b>      | 001 ⇄ 127 | Clockwise fast to slow          |
|           |                                | 128       | Stop                            |
|           |                                | 128 ⇄ 255 | Counter-clockwise slow to fast  |
| <b>13</b> | <b>LED Built-in Delay</b>      | 000 ⇄ 255 | Fast to slow                    |
| <b>14</b> | <b>Background Color Macros</b> | 000       | No function                     |
|           |                                | 001 ⇄ 002 | 2700K R:156 G: 118 B: 0 W: 63   |
|           |                                | 003 ⇄ 004 | 3200K R:156 G: 141 B: 5 W: 89   |
|           |                                | 005 ⇄ 006 | 4200K R:156 G: 141 B: 14 W: 255 |
|           |                                | 007 ⇄ 008 | 5600K R:156 G: 207 B: 54 W: 255 |
|           |                                | 009 ⇄ 010 | 8000K R:130 G: 255 B: 96 W: 255 |
|           |                                | 11        | Blue R: 0 G: 0 B: 255 W: 0      |
|           |                                | 012 ⇄ 048 | R: 0 G: + B: 255 W: 0           |
|           |                                | 049       | Cyan R: 0 G: 255 B: 255 W: 0    |
|           |                                | 050 ⇄ 086 | R: 0 G: 255 B: - W: 0           |
|           |                                | 087       | Green R: 0 G: 255 B: 0 W: 0     |
|           |                                | 088 ⇄ 124 | R: + G: 255 B: 0 W: 0           |
|           |                                | 125       | Yellow R: 255 G: 255 B: 0 W: 0  |
|           |                                | 126 ⇄ 162 | R: 255 G: - B: 0 W: 0           |
|           |                                | 163       | Red R: 255 G: 0 B: 0 W: 0       |
|           |                                | 164 ⇄ 200 | R: 255 G: 0 B: + W: 0           |
|           |                                | 201       | Magenta R: 255 G: 0 B: 255 W: 0 |
|           |                                | 202 ⇄ 238 | R: - G: 0 B: 255 W: 0           |
|           |                                | 239       | Blue R: 0 G: 0 B: 255 W: 0      |
|           |                                | 240 ⇄ 247 | Color change, fast to slow      |
| 248 ⇄ 255 | Color jump, fast to slow       |           |                                 |
| <b>15</b> | <b>Background Color Dimmer</b> | 000 ⇄ 255 | 0-100%                          |
| <b>16</b> | <b>Zoom</b>                    | 000 ⇄ 255 | 0-100%                          |

# DMX CHART



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| Channel   | Function               | Value     | Percent/Setting            |
|-----------|------------------------|-----------|----------------------------|
| <b>17</b> | <b>Control</b>         | 001 ⇄ 009 | No function                |
|           |                        | 010 ⇄ 014 | Pan/Tilt blackout          |
|           |                        | 015 ⇄ 019 | No function                |
|           |                        | 020 ⇄ 024 | RGBW color mixing (5 sec.) |
|           |                        | 025 ⇄ 029 | CMY color mixing (5 sec.)  |
|           |                        | 030 ⇄ 034 | No function                |
|           |                        | 035 ⇄ 039 | No function                |
|           |                        | 040 ⇄ 044 | No function                |
|           |                        | 045 ⇄ 049 | No function                |
|           |                        | 050 ⇄ 054 | Pan reset                  |
|           |                        | 055 ⇄ 059 | Tilt reset                 |
|           |                        | 060 ⇄ 064 | Zoom reset                 |
|           |                        | 065 ⇄ 069 | No function                |
|           |                        | 070 ⇄ 074 | All reset                  |
|           |                        | 075 ⇄ 079 | No function                |
|           |                        | 080 ⇄ 084 | Pan/Tilt reverse           |
|           |                        | 085 ⇄ 089 | Pan reverse                |
|           |                        | 090 ⇄ 094 | Tilt reverse               |
|           |                        | 095 ⇄ 099 | Cancel pan reverse         |
|           |                        | 100 ⇄ 104 | Cancel tilt reverse        |
|           |                        | 105 ⇄ 109 | Cancel pan/tilt reverse    |
| 110 ⇄ 114 | No function            |           |                            |
| 115 ⇄ 119 | No function            |           |                            |
| 120 ⇄ 124 | Fan low speed          |           |                            |
| 125 ⇄ 129 | Fan full speed         |           |                            |
| 130 ⇄ 134 | Fan auto               |           |                            |
| 135 ⇄ 139 | Dimmer Fast mode       |           |                            |
| 140 ⇄ 144 | Dimmer Smooth mode     |           |                            |
| 145 ⇄ 255 | No function            |           |                            |
| <b>18</b> | <b>Red (Cyan)</b>      | 000 ⇄ 255 | 0-100%                     |
| <b>19</b> | <b>Green (Magenta)</b> | 000 ⇄ 255 | 0-100%                     |
| <b>20</b> | <b>Blue (Yellow)</b>   | 000 ⇄ 255 | 0-100%                     |
| <b>21</b> | <b>White</b>           | 000 ⇄ 255 | 0-100%                     |