

DMX Values
33Ch

| 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 | Fast to slow |
| 6 | Dimmer | 000 ⇔ 255 | 0–100% |
| 7 | Fine Dimmer | 000 ⇔ 255 | Fine control (16-bit) |
| 8 | Strobe | 000 ⇔ 003 | Closed |
| | | 004 ⇔ 007 | Open |
| | | 008 ⇔ 076 | Strobe, slow to fast |
| | | 077 ⇔ 145 | Pulse strobe, slow to fast |
| | | 146 ⇔ 215 | Random strobe, slow to fast |
| | | 216 ⇔ 255 | Open |
| 9 | Virtual Strobe | 000 ⇔ 001 | No function |
| | | 002 ⇔ 128 | Shaking strobe, slow to fast |
| | | 129 ⇔ 255 | Fading shake, slow to fast |
| 10 | Cyan | 000 ⇔ 255 | 0–100% |
| 11 | Magenta | 000 ⇔ 255 | 0–100% |
| 12 | Yellow | 000 ⇔ 255 | 0–100% |
| 13 | CTO | 000 ⇔ 255 | 0–100% |
| 14 | Color Wheel | 000 ⇔ 006 | Open |
| | | 007 ⇔ 013 | Red |
| | | 014 ⇔ 020 | Orange |
| | | 021 ⇔ 027 | Green |
| | | 028 ⇔ 034 | Yellow |
| | | 035 ⇔ 041 | Blue |
| | | 042 ⇔ 048 | UV |
| | | 049 ⇔ 059 | CTO |
| | | 060 ⇔ 187 | Split color |
| | | 188 ⇔ 219 | Color scroll, fast to slow |
| | | 220 ⇔ 223 | Stop |
| | | 224 ⇔ 255 | Reverse color scroll, slow to fast |
| 15 | Gobo Wheel 1 | 000 ⇔ 007 | Open |
| | | 008 ⇔ 015 | Gobo 1 (Sail Boats) |
| | | 016 ⇔ 023 | Gobo 2 (Radial Dot) |
| | | 024 ⇔ 031 | Gobo 3 (Mower Blade) |
| | | 032 ⇔ 039 | Gobo 4 (Bolts) |
| | | 040 ⇔ 047 | Gobo 5 (Shower Glass) |
| | | 048 ⇔ 055 | Gobo 6 (Ballistic Clouds) |
| | | 056 ⇔ 063 | Gobo 7 (Four Eyes) |
| | | 064 ⇔ 071 | Gobo 7 shaking |
| | | 072 ⇔ 079 | Gobo 6 shaking |
| | | 080 ⇔ 087 | Gobo 5 shaking |
| | | 088 ⇔ 095 | Gobo 4 shaking |
| | | 096 ⇔ 103 | Gobo 3 shaking |
| | | 104 ⇔ 111 | Gobo 2 shaking |
| | | 112 ⇔ 119 | Gobo 1 shaking |
| | | 120 ⇔ 127 | Open |
| | | 128 ⇔ 191 | Gobo scroll, slow to fast |
| | | 192 ⇔ 255 | Reverse gobo scroll, slow to fast |

| Channel | Function | Value | Percent/Setting |
|-----------|-----------------------------------|-----------|--|
| 16 | Gobo 1 Rotate | 000 ⇄ 063 | Rotating gobo index |
| | | 064 ⇄ 145 | Gobo rotation, fast to slow |
| | | 146 ⇄ 149 | Stop |
| | | 150 ⇄ 231 | Reverse gobo rotation, slow to fast |
| | | 232 ⇄ 255 | Bounce effect, short to long |
| 17 | Gobo Wheel 1 Indexing | 000 ⇄ 255 | Fine control (16-bit) |
| 18 | Gobo Wheel 2 | 000 ⇄ 005 | Open |
| | | 006 ⇄ 011 | Gobo 1 (Beam) |
| | | 012 ⇄ 017 | Gobo 2 (Bars) |
| | | 018 ⇄ 023 | Gobo 3 (Circles) |
| | | 024 ⇄ 029 | Gobo 4 (Breakup) |
| | | 030 ⇄ 035 | Gobo 5 (Dots) |
| | | 036 ⇄ 041 | Gobo 6 (Circuits) |
| | | 042 ⇄ 047 | Gobo 7 (Triangles) |
| | | 048 ⇄ 053 | Gobo 8 (Forest) |
| | | 054 ⇄ 063 | Gobo 9 (Rainbows) |
| | | 064 ⇄ 069 | Gobo 9 shaking |
| | | 070 ⇄ 075 | Gobo 8 shaking |
| | | 076 ⇄ 081 | Gobo 7 shaking |
| | | 082 ⇄ 087 | Gobo 6 shaking |
| | | 088 ⇄ 093 | Gobo 5 shaking |
| | | 094 ⇄ 099 | Gobo 4 shaking |
| | | 100 ⇄ 105 | Gobo 3 shaking |
| | | 106 ⇄ 111 | Gobo 2 shaking |
| | | 112 ⇄ 117 | Gobo 1 shaking |
| 118 ⇄ 127 | Open | | |
| 128 ⇄ 191 | Gobo scroll, slow to fast | | |
| 192 ⇄ 255 | Reverse gobo scroll, slow to fast | | |
| 19 | Animation Wheel | 000 ⇄ 255 | Animation effect, 0–100% |
| 20 | Animation Wheel Rotate | 000 ⇄ 124 | Animation wheel rotation, fast to slow |
| | | 125 ⇄ 130 | Stop |
| | | 131 ⇄ 255 | Reverse animation wheel, slow to fast |
| 21 | Focus | 000 ⇄ 255 | 0–100% |
| 22 | Fine Focus | 000 ⇄ 255 | Fine control (16-bit) |
| 23 | Auto Focus | 000 ⇄ 010 | No function |
| | | 011 ⇄ 030 | 0–5 m |
| | | 031 ⇄ 050 | 6 m |
| | | 051 ⇄ 070 | 7 m |
| | | 071 ⇄ 090 | 8 m |
| | | 091 ⇄ 110 | 9 m |
| | | 111 ⇄ 130 | 10 m |
| | | 131 ⇄ 150 | 12.5 m |
| | | 151 ⇄ 170 | 15 m |
| | | 171 ⇄ 190 | 17.5 m |
| | | 191 ⇄ 210 | 20–60 m |
| 211 ⇄ 255 | Auto-detect distance | | |
| 24 | Zoom | 000 ⇄ 255 | 0–100% |
| 25 | Fine Zoom | 000 ⇄ 255 | Fine control (16-bit) |
| 26 | Prism | 000 ⇄ 004 | No function |
| | | 005 ⇄ 255 | Prism effect |
| 27 | Prism Rotate | 000 ⇄ 127 | Rotating prism index |
| | | 128 ⇄ 189 | Prism rotation, fast to slow |
| | | 190 ⇄ 193 | Stop |
| | | 194 ⇄ 255 | Reverse prism rotation, slow to fast |

| Channel | Function | Value | Percent/Setting |
|---------|-----------------|-----------|---|
| 28 | Iris | 000 ⇔ 063 | Big to small |
| | | 064 ⇔ 127 | Auto change, slow to fast |
| | | 128 ⇔ 191 | Slow expand, fast shrink (slow to fast) |
| | | 192 ⇔ 255 | Slow shrink, fast expand (slow to fast) |
| 29 | Frost 1 | 000 ⇔ 255 | 0–100% |
| 30 | Frost 2 | 000 ⇔ 255 | 0–100% |
| 31 | CMY Macro | 000 ⇔ 009 | No function |
| | | 010 ⇔ 255 | CMY macro |
| 32 | CMY Macro Speed | 000 ⇔ 255 | CMY macro speed, fast to slow |
| 33 | Control | 000 ⇔ 007 | No function |
| | | 008 ⇔ 015 | XY blackout |
| | | 016 ⇔ 023 | C blackout |
| | | 024 ⇔ 031 | G blackout |
| | | 032 ⇔ 039 | XY/C blackout |
| | | 040 ⇔ 047 | XY/G blackout |
| | | 048 ⇔ 055 | XY/C/G blackout |
| | | 056 ⇔ 095 | No function |
| | | 096 ⇔ 103 | X reset |
| | | 104 ⇔ 111 | Y reset |
| | | 112 ⇔ 119 | Color reset |
| | | 120 ⇔ 127 | Gobo wheels and rotation reset |
| | | 128 ⇔ 135 | No function |
| | | 136 ⇔ 143 | Prism reset |
| | | 144 ⇔ 151 | No function |
| | | 152 ⇔ 159 | All reset |
| | | 160 ⇔ 167 | Iris reset |
| | | 168 ⇔ 175 | Frost reset |
| | | 176 ⇔ 183 | No function |
| | | 184 ⇔ 191 | CMY reset |
| | | 192 ⇔ 199 | Fan ECO mode |
| | | 200 ⇔ 207 | Fan full speed |
| | | 208 ⇔ 215 | Fan auto |
| | | 216 ⇔ 220 | No function |
| | | 221 ⇔ 225 | Iris fast mode |
| | | 226 ⇔ 230 | Iris smooth mode |
| | | 231 ⇔ 235 | XY swap on |
| | | 236 ⇔ 240 | XY swap off |
| | | 241 ⇔ 245 | No function |
| | | 246 ⇔ 250 | XY smooth mode |
| | | 251 ⇔ 255 | XY fast mode |

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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 | Fast to slow |
| 6 | Dimmer | 000 ⇔ 255 | 0–100% |

| Channel | Function | Value | Percent/Setting |
|-----------|-----------------------------------|-----------|-------------------------------------|
| 7 | Strobe | 000 ⇄ 003 | Closed |
| | | 004 ⇄ 007 | Open |
| | | 008 ⇄ 076 | Strobe, slow to fast |
| | | 077 ⇄ 145 | Pulse strobe, slow to fast |
| | | 146 ⇄ 215 | Random strobe, slow to fast |
| | | 216 ⇄ 255 | Open |
| 8 | Virtual Strobe | 000 ⇄ 001 | No function |
| | | 002 ⇄ 128 | Shaking strobe, slow to fast |
| | | 129 ⇄ 255 | Fade in/out, slow to fast |
| 9 | Cyan | 000 ⇄ 255 | 0–100% |
| 10 | Magenta | 000 ⇄ 255 | 0–100% |
| 11 | Yellow | 000 ⇄ 255 | 0–100% |
| 12 | CTO | 000 ⇄ 255 | 0–100% |
| 13 | Color Wheel | 000 ⇄ 006 | Open |
| | | 007 ⇄ 013 | Red |
| | | 014 ⇄ 020 | Orange |
| | | 021 ⇄ 027 | Green |
| | | 028 ⇄ 034 | Yellow |
| | | 035 ⇄ 041 | Blue |
| | | 042 ⇄ 048 | UV |
| | | 049 ⇄ 059 | CTO |
| | | 060 ⇄ 187 | Split color |
| | | 188 ⇄ 219 | Color scroll, fast to slow |
| | | 220 ⇄ 223 | Stop |
| | | 224 ⇄ 255 | Reverse color scroll, slow to fast |
| | | 14 | Gobo Wheel 1 |
| 008 ⇄ 015 | Gobo 1 (Sail Boats) | | |
| 016 ⇄ 023 | Gobo 2 (Radial Dot) | | |
| 024 ⇄ 031 | Gobo 3 (Mower Blade) | | |
| 032 ⇄ 039 | Gobo 4 (Bolts) | | |
| 040 ⇄ 047 | Gobo 5 (Shower Glass) | | |
| 048 ⇄ 055 | Gobo 6 (Ballistic Clouds) | | |
| 056 ⇄ 063 | Gobo 7 (Dots) | | |
| 064 ⇄ 071 | Gobo 7 shaking | | |
| 072 ⇄ 079 | Gobo 6 shaking | | |
| 080 ⇄ 087 | Gobo 5 shaking | | |
| 088 ⇄ 095 | Gobo 4 shaking | | |
| 096 ⇄ 103 | Gobo 3 shaking | | |
| 104 ⇄ 111 | Gobo 2 shaking | | |
| 112 ⇄ 119 | Gobo 1 shaking | | |
| 120 ⇄ 127 | Open | | |
| 128 ⇄ 191 | Gobo scroll, slow to fast | | |
| 192 ⇄ 255 | Reverse gobo scroll, slow to fast | | |
| 15 | Gobo 1 Rotate | 000 ⇄ 063 | Rotating gobo index |
| | | 064 ⇄ 145 | Gobo rotation, fast to slow |
| | | 146 ⇄ 149 | Stop |
| | | 150 ⇄ 231 | Reverse gobo rotation, slow to fast |
| | | 232 ⇄ 255 | Bounce effect |

| Channel | Function | Value | Percent/Setting |
|-----------|-----------------------------------|-----------|--|
| 16 | Gobo Wheel 2 | 000 ⇄ 005 | Open |
| | | 006 ⇄ 011 | Gobo 1 (Beam) |
| | | 012 ⇄ 017 | Gobo 2 (Bars) |
| | | 018 ⇄ 023 | Gobo 3 (Circles) |
| | | 024 ⇄ 029 | Gobo 4 (Breakup) |
| | | 030 ⇄ 035 | Gobo 5 (Four Eyes) |
| | | 036 ⇄ 041 | Gobo 6 (Circuits) |
| | | 042 ⇄ 047 | Gobo 7 (Triangles) |
| | | 048 ⇄ 053 | Gobo 8 (Forest) |
| | | 054 ⇄ 063 | Gobo 9 (Rainbows) |
| | | 064 ⇄ 069 | Gobo 9 shaking |
| | | 070 ⇄ 075 | Gobo 8 shaking |
| | | 076 ⇄ 081 | Gobo 7 shaking |
| | | 082 ⇄ 087 | Gobo 6 shaking |
| | | 088 ⇄ 093 | Gobo 5 shaking |
| | | 094 ⇄ 099 | Gobo 4 shaking |
| | | 100 ⇄ 105 | Gobo 3 shaking |
| | | 106 ⇄ 111 | Gobo 2 shaking |
| | | 112 ⇄ 117 | Gobo 1 shaking |
| | | 118 ⇄ 127 | Open |
| 128 ⇄ 191 | Gobo scroll, slow to fast | | |
| 192 ⇄ 255 | Reverse gobo scroll, slow to fast | | |
| 17 | Animation Wheel | 000 ⇄ 255 | Animation effect |
| 18 | Animation Wheel Rotate | 000 ⇄ 255 | Animation wheel rotation, fast to slow |
| | | 000 ⇄ 255 | Stop |
| | | 000 ⇄ 255 | Reverse animation wheel, slow to fast |
| 19 | Focus | 000 ⇄ 255 | 0–100% |
| 20 | Zoom | 000 ⇄ 255 | 0–100% |
| 21 | Prism | 000 ⇄ 004 | No function |
| | | 005 ⇄ 255 | Prism effect |
| 22 | Prism Rotate | 000 ⇄ 127 | Rotating prism 1 index |
| | | 128 ⇄ 189 | Prism 1 rotation, fast to slow |
| | | 190 ⇄ 193 | Stop |
| | | 194 ⇄ 255 | Reverse prism 1 rotation, slow to fast |
| 23 | Iris | 000 ⇄ 063 | Big to small |
| | | 064 ⇄ 127 | Auto change, slow to fast |
| | | 128 ⇄ 191 | Slow zoom out, fast zoom in (slow to fast) |
| | | 192 ⇄ 255 | Slow zoom in, fast zoom out (slow to fast) |
| 24 | Frost 1 | 000 ⇄ 255 | 0–100% |
| 25 | Frost 2 | 000 ⇄ 255 | 0–100% |

| Channel | Function | Value | Percent/Setting |
|-----------|----------------|-----------|--------------------------------|
| 26 | Control | 000 ⇄ 007 | No function |
| | | 008 ⇄ 015 | XY blackout |
| | | 016 ⇄ 023 | C blackout |
| | | 024 ⇄ 031 | G blackout |
| | | 032 ⇄ 039 | XY/C blackout |
| | | 040 ⇄ 047 | XY/G blackout |
| | | 048 ⇄ 055 | XY/C/G blackout |
| | | 056 ⇄ 095 | No function |
| | | 096 ⇄ 103 | X reset |
| | | 104 ⇄ 111 | Y reset |
| | | 112 ⇄ 119 | Color reset |
| | | 120 ⇄ 127 | Gobo wheels and rotation reset |
| | | 128 ⇄ 135 | No function |
| | | 136 ⇄ 143 | Prisms reset |
| | | 144 ⇄ 151 | Framing shutter reset |
| | | 152 ⇄ 159 | All reset |
| | | 160 ⇄ 167 | Iris reset |
| | | 168 ⇄ 175 | Frost reset |
| | | 176 ⇄ 183 | Zoom reset |
| | | 184 ⇄ 191 | CMY reset |
| | | 192 ⇄ 199 | Fan low speed |
| | | 200 ⇄ 207 | Fan full speed |
| | | 208 ⇄ 215 | Fan auto |
| | | 216 ⇄ 220 | No function |
| | | 221 ⇄ 225 | Iris fast mode |
| | | 226 ⇄ 230 | Iris smooth mode |
| | | 231 ⇄ 235 | XY swap on |
| | | 236 ⇄ 240 | XY swap off |
| 241 ⇄ 245 | No function | | |
| 246 ⇄ 250 | XY smooth mode | | |
| 251 ⇄ 255 | XY fast mode | | |