

DMX Values
Dmx Mode 29 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 | Fast to slow |
| 6 | Dimmer | 000 ⇄ 255 | 0–100% |
| 7 | Fine dimmer | 000 ⇄ 255 | Fine control (16-bit) |
| 8 | Strobe | 000 ⇄ 003 | Off |
| | | 004 ⇄ 007 | On |
| | | 008 ⇄ 076 | Synchronized strobe, slow to fast |
| | | 077 ⇄ 145 | Pulse strobe, slow to fast |
| | | 146 ⇄ 215 | Random strobe, slow to fast |
| 9 | Virtual strobe | 216 ⇄ 255 | Off |
| | | 000 ⇄ 001 | No function |
| | | 002 ⇄ 128 | Shaking effect, slow to fast |
| | | 129 ⇄ 255 | Fading effect, slow to fast |
| 10 | Cyan | 000 ⇄ 255 | 0–100% |
| 11 | Magenta | 000 ⇄ 255 | 0–100% |
| 12 | Yellow | 000 ⇄ 255 | 0–100% |
| 13 | Color wheel | 000 ⇄ 006 | Open |
| | | 007 ⇄ 013 | Red |
| | | 014 ⇄ 020 | Orange |
| | | 021 ⇄ 027 | Green |
| | | 028 ⇄ 034 | Magenta |
| | | 035 ⇄ 041 | UV |
| | | 042 ⇄ 048 | CRI |
| | | 049 ⇄ 059 | CTB |
| | | 060 ⇄ 187 | Split colors |
| | | 188 ⇄ 219 | Reverse color scroll, fast to slow |
| | | 220 ⇄ 223 | Stop |
| 224 ⇄ 255 | Color scroll, slow to fast | | |
| 14 | Gobo wheel 1 (rotating) (see Gobo Designs) | 000 ⇄ 007 | Open |
| | | 008 ⇄ 015 | Gobo 1 (sailboats) |
| | | 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 |
|-----------|--|-----------|---|
| 15 | Gobo 1 rotation | 000 ⇔ 063 | 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 |
| 16 | Fine gobo 1 rotation | 000 ⇔ 255 | Fine control (16-bit) |
| 17 | Gobo wheel 2 (static) (see Gobo Designs) | 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 | | |
| 18 | Focus | 000 ⇔ 255 | 0–100% |
| 19 | Fine focus | 000 ⇔ 255 | Fine control (16-bit) |
| 20 | Auto focus | 000 ⇔ 010 | No function |
| | | 011 ⇔ 030 | 0–5 m auto focus |
| | | 031 ⇔ 050 | 6 m auto focus |
| | | 051 ⇔ 070 | 7 m auto focus |
| | | 071 ⇔ 090 | 8 m auto focus |
| | | 091 ⇔ 110 | 9 m auto focus |
| | | 111 ⇔ 130 | 10 m auto focus |
| | | 131 ⇔ 150 | 12.5 m auto focus |
| | | 151 ⇔ 170 | 15 m auto focus |
| | | 171 ⇔ 190 | 17.5 m auto focus |
| | | 191 ⇔ 210 | 20–60 m auto focus |
| | | 211 ⇔ 255 | Auto-detect distance |
| 21 | Zoom | 000 ⇔ 255 | 0–100% |
| 22 | Fine zoom | 000 ⇔ 255 | Fine control (16-bit) |
| 23 | Prism | 000 ⇔ 004 | No function |
| | | 005 ⇔ 255 | Prism effect |
| 24 | Prism rotation | 000 ⇔ 127 | Prism index |
| | | 128 ⇔ 189 | Prism rotation, fast to slow |
| | | 190 ⇔ 193 | Stop |
| | | 194 ⇔ 255 | Reverse prism rotation, slow to fast |
| 25 | Iris | 000 ⇔ 063 | 0–100% |
| | | 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) |
| 26 | Frost | 000 ⇔ 255 | 0–100% |

| Channel | Function | Value | Percent/Setting |
|-----------|-----------------|-----------|---------------------------------|
| 27 | CMY macro | 000 ⇔ 009 | No function |
| | | 010 ⇔ 014 | Full CTO |
| | | 015 ⇔ 020 | ½ CTO |
| | | 021 ⇔ 255 | CMY macro |
| 28 | CMY macro speed | 000 ⇔ 255 | CMY macro speed, fast to slow |
| 29 | Control | 000 ⇔ 007 | No function |
| | | 008 ⇔ 015 | Pan tilt blackout |
| | | 016 ⇔ 023 | Color blackout |
| | | 024 ⇔ 031 | Gobo blackout |
| | | 032 ⇔ 039 | Pan tilt/color blackout |
| | | 040 ⇔ 047 | Pan tilt/gobo blackout |
| | | 048 ⇔ 055 | Pan tilt/color/gobo blackout |
| | | 056 ⇔ 095 | No function |
| | | 096 ⇔ 103 | Pan reset |
| | | 104 ⇔ 111 | Tilt reset |
| | | 112 ⇔ 119 | Color reset |
| | | 120 ⇔ 127 | Gobo reset |
| | | 128 ⇔ 131 | High color temperature gobo on |
| | | 132 ⇔ 135 | High color temperature gobo off |
| | | 136 ⇔ 143 | Prism reset |
| | | 144 ⇔ 151 | No function |
| | | 152 ⇔ 159 | All reset |
| | | 160 ⇔ 167 | Iris reset |
| | | 168 ⇔ 175 | Frost reset |
| | | 176 ⇔ 183 | Zoom reset |
| | | 184 ⇔ 191 | CMY reset |
| | | 192 ⇔ 199 | Fan ECO |
| | | 200 ⇔ 207 | Fan full |
| | | 208 ⇔ 215 | Fan auto |
| | | 216 ⇔ 217 | Fan TV25 |
| | | 218 ⇔ 220 | Fan TV35 |
| | | 221 ⇔ 225 | Iris fast mode |
| | | 226 ⇔ 230 | Iris smooth mode |
| | | 231 ⇔ 235 | Pan tilt swap on |
| | | 236 ⇔ 240 | Pan tilt swap off |
| | | 241 ⇔ 245 | Min Zoom Focus on |
| | | 246 ⇔ 250 | Min Zoom Focus off |
| 251 ⇔ 255 | No function | | |

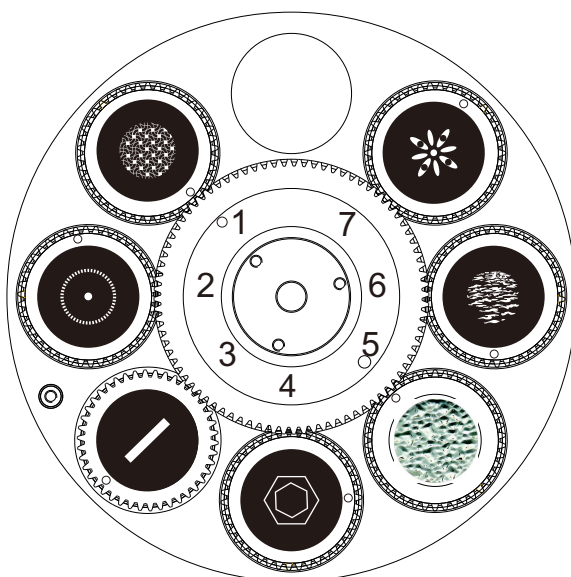
Dmx Mode 22 CH

| 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 | Fast to slow |
| 6 | Dimmer | 000 ⇄ 255 | 0–100% |
| 7 | Strobe | 000 ⇄ 003 | Off |
| | | 004 ⇄ 007 | On |
| | | 008 ⇄ 076 | Synchronized strobe, slow to fast |
| | | 077 ⇄ 145 | Pulse strobe, slow to fast |
| | | 146 ⇄ 215 | Random strobe, slow to fast |
| | | 216 ⇄ 255 | Off |
| 8 | Virtual strobe | 000 ⇄ 001 | No function |
| | | 002 ⇄ 128 | Shaking effect, slow to fast |
| | | 129 ⇄ 255 | Fading effect, slow to fast |
| 9 | Cyan | 000 ⇄ 255 | 0–100% |
| 10 | Magenta | 000 ⇄ 255 | 0–100% |
| 11 | Yellow | 000 ⇄ 255 | 0–100% |
| 12 | Color wheel | 000 ⇄ 006 | Open |
| | | 007 ⇄ 013 | Red |
| | | 014 ⇄ 020 | Orange |
| | | 021 ⇄ 027 | Green |
| | | 028 ⇄ 034 | Magenta |
| | | 035 ⇄ 041 | UV |
| | | 042 ⇄ 048 | CRI |
| | | 049 ⇄ 059 | CTB |
| | | 060 ⇄ 187 | Split colors |
| | | 188 ⇄ 219 | Reverse color scroll, fast to slow |
| | | 220 ⇄ 223 | Stop |
| | | 224 ⇄ 255 | Color scroll, slow to fast |
| 13 | Gobo wheel 1 (rotating) (see Gobo Designs) | 000 ⇄ 007 | Open |
| | | 008 ⇄ 015 | Gobo 1 (sailboats) |
| | | 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 |
| | | 14 | Gobo 1 rotation |
| 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 | | |

| Channel | Function | Value | Percent/Setting |
|-----------|---|-----------|---|
| 15 | Gobo wheel 2 (static) (see Gobo Designs) | 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 | | |
| 16 | Focus | 000 ⇔ 255 | 0–100% |
| 17 | Zoom | 000 ⇔ 255 | 0–100% |
| 18 | Prism | 000 ⇔ 004 | No function |
| | | 005 ⇔ 255 | Prism effect |
| 19 | Prism rotation | 000 ⇔ 127 | Prism index |
| | | 128 ⇔ 189 | Prism rotation, fast to slow |
| | | 190 ⇔ 193 | Stop |
| | | 194 ⇔ 255 | Reverse prism rotation, slow to fast |
| 20 | Iris | 000 ⇔ 063 | 0–100% |
| | | 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) |
| 21 | Frost | 000 ⇔ 255 | 0–100% |

| Channel | Function | Value | Percent/Setting |
|-----------|--------------------|-----------|---------------------------------|
| 22 | Control | 000 ⇔ 007 | No function |
| | | 008 ⇔ 015 | Pan tilt blackout |
| | | 016 ⇔ 023 | Color blackout |
| | | 024 ⇔ 031 | Gobo blackout |
| | | 032 ⇔ 039 | Pan tilt/color blackout |
| | | 040 ⇔ 047 | Pan tilt/gobo blackout |
| | | 048 ⇔ 055 | Pan tilt/color/gobo blackout |
| | | 056 ⇔ 095 | No function |
| | | 096 ⇔ 103 | Pan reset |
| | | 104 ⇔ 111 | Tilt reset |
| | | 112 ⇔ 119 | Color reset |
| | | 120 ⇔ 127 | Gobo reset |
| | | 128 ⇔ 131 | High color temperature gobo on |
| | | 132 ⇔ 135 | High color temperature gobo off |
| | | 136 ⇔ 143 | Prism reset |
| | | 144 ⇔ 151 | No function |
| | | 152 ⇔ 159 | All reset |
| | | 160 ⇔ 167 | Iris reset |
| | | 168 ⇔ 175 | Frost reset |
| | | 176 ⇔ 183 | Zoom reset |
| | | 184 ⇔ 191 | CMY reset |
| | | 192 ⇔ 199 | Fan ECO |
| | | 200 ⇔ 207 | Fan full |
| | | 208 ⇔ 215 | Fan auto |
| | | 216 ⇔ 217 | Fan TV25 |
| | | 218 ⇔ 220 | Fan TV35 |
| | | 221 ⇔ 225 | Iris fast mode |
| | | 226 ⇔ 230 | Iris smooth mode |
| 231 ⇔ 235 | Pan tilt swap on | | |
| 236 ⇔ 240 | Pan tilt swap off | | |
| 241 ⇔ 245 | Min Zoom Focus on | | |
| 246 ⇔ 250 | Min Zoom Focus off | | |
| 251 ⇔ 255 | No function | | |

Gobo Designs



Rotating gobo wheel



Static gobo wheel