

DMX Values

41CH

| Channel | Function | Value | Percent/Setting |
|-----------|------------------------------------|-----------|--|
| 1 | Pan | 000 ⇄ 255 | 0–100% |
| 2 | Pan fine | 000 ⇄ 255 | Fine control (16-bit) |
| 3 | Tilt | 000 ⇄ 255 | 0–100% |
| 4 | Tilt fine | 000 ⇄ 255 | Fine control (16-bit) |
| 5 | Pan/tilt speed | 000 ⇄ 255 | Fast to slow |
| 6 | Dimmer | 000 ⇄ 255 | 0–100% |
| 7 | Dimmer fine | 000 ⇄ 255 | Fine control (16-bit) |
| 8 | Shutter/Strobe | 000 ⇄ 010 | No function (shutter open) |
| | | 011 ⇄ 082 | Shutter effect, slow to fast |
| | | 083 ⇄ 093 | No function (shutter open) |
| | | 094 ⇄ 163 | Pulse effect in sequences |
| | | 164 ⇄ 174 | No function (shutter open) |
| | | 175 ⇄ 223 | Random effect, slow to fast |
| | | 224 ⇄ 255 | No function (shutter open) |
| 9 | Virtual strobe | 000 ⇄ 004 | No function |
| | | 005 ⇄ 010 | Section 1 on |
| | | 011 ⇄ 015 | Section 2 on |
| | | 016 ⇄ 020 | Section 3 on |
| | | 021 ⇄ 025 | Section 4 on |
| | | 026 ⇄ 030 | Section 5 on |
| | | 031 ⇄ 070 | Stop between sections 1–5 clockwise, fast to slow |
| | | 071 ⇄ 075 | Stop |
| | | 076 ⇄ 116 | Stop between sections 1–5 counterclockwise, slow to fast |
| | | 117 ⇄ 121 | Stop |
| | | 122 ⇄ 162 | Fade between sections 1–5 clockwise, fast to slow |
| | | 163 ⇄ 167 | Stop |
| | | 168 ⇄ 208 | Fade between sections 1–5 counterclockwise, slow to fast |
| 209 ⇄ 255 | No function | | |
| 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 ⇄ 004 | Open |
| | | 005 ⇄ 009 | Red |
| | | 010 ⇄ 013 | Orange |
| | | 014 ⇄ 018 | Dark green |
| | | 019 ⇄ 022 | Cyan |
| | | 023 ⇄ 027 | Congo blue |
| | | 028 ⇄ 031 | UV |
| | | 032 ⇄ 187 | Split color |
| | | 188 ⇄ 219 | Color scroll, fast to slow |
| | | 220 ⇄ 223 | Stop |
| 224 ⇄ 255 | Reverse color scroll, slow to fast | | |
| 15 | Hue adjustment | 000 ⇄ 127 | -25 to 0 green |
| | | 128 ⇄ 255 | 0 to +25 green |
| 16 | Red shift | 000 ⇄ 010 | No function |
| | | 011 ⇄ 127 | Red shift off |
| | | 128 ⇄ 255 | Red shift on |

| Channel | Function | Value | Percent/Setting |
|-----------|-------------------------------------|-----------|---|
| 17 | Rotating gobo wheel | 000 ⇄ 005 | Open |
| | | 006 ⇄ 010 | Gobo 1 (Barking up a flaming river) |
| | | 011 ⇄ 015 | Gobo 2 (Floyd) |
| | | 016 ⇄ 020 | Gobo 3 (Sparse branches) |
| | | 021 ⇄ 025 | Gobo 4 (Something linear) |
| | | 026 ⇄ 030 | Gobo 5 (Super max) |
| | | 031 ⇄ 035 | Gobo 6 (Windowpane) |
| | | 036 ⇄ 040 | Gobo 7 (Shower glass) |
| | | 041 ⇄ 055 | Gobo 1 shaking, slow to fast |
| | | 056 ⇄ 070 | Gobo 2 shaking, slow to fast |
| | | 071 ⇄ 085 | Gobo 3 shaking, slow to fast |
| | | 086 ⇄ 100 | Gobo 4 shaking, slow to fast |
| | | 101 ⇄ 115 | Gobo 5 shaking, slow to fast |
| | | 116 ⇄ 130 | Gobo 6 shaking, slow to fast |
| | | 131 ⇄ 145 | Gobo 7 shaking, slow to fast |
| | | 146 ⇄ 200 | Gobo scroll, static to fast |
| 201 ⇄ 255 | Reverse gobo scroll, static to fast | | |
| 18 | Gobo 1 rotation | 000 ⇄ 191 | Indexing |
| | | 192 ⇄ 221 | Gobo rotation, fast to slow |
| | | 222 ⇄ 225 | Stop |
| | | 226 ⇄ 255 | Reverse gobo rotation, slow to fast |
| 19 | Gobo wheel 1 indexing fine | 000 ⇄ 255 | Fine control (16-bit) |
| 20 | Static gobo wheel | 000 ⇄ 005 | Open |
| | | 006 ⇄ 010 | Gobo 1 (Dotty) |
| | | 011 ⇄ 015 | Gobo 2 (Stones) |
| | | 016 ⇄ 020 | Gobo 3 (Leafiness) |
| | | 021 ⇄ 025 | Gobo 4 (Busted burlap) |
| | | 026 ⇄ 030 | Gobo 5 (EVH) |
| | | 031 ⇄ 035 | Gobo 6 (Basketcase) |
| | | 036 ⇄ 040 | Gobo 7 (CaChow) |
| | | 041 ⇄ 045 | Gobo 8 (Grass vignette) |
| | | 046 ⇄ 060 | Gobo 1 shaking, slow to fast |
| | | 061 ⇄ 075 | Gobo 2 shaking, slow to fast |
| | | 076 ⇄ 090 | Gobo 3 shaking, slow to fast |
| | | 091 ⇄ 105 | Gobo 4 shaking, slow to fast |
| | | 106 ⇄ 120 | Gobo 5 shaking, slow to fast |
| | | 121 ⇄ 135 | Gobo 6 shaking, slow to fast |
| | | 136 ⇄ 150 | Gobo 7 shaking, slow to fast |
| 151 ⇄ 165 | Gobo 8 shaking, slow to fast | | |
| 166 ⇄ 210 | Gobo scroll, static to fast | | |
| 211 ⇄ 255 | Reverse gobo scroll, static to fast | | |
| 21 | Animation wheel | 000 ⇄ 003 | Open / No function |
| | | 004 ⇄ 127 | Clockwise rotation, fast to slow |
| | | 128 ⇄ 131 | Stop |
| | | 132 ⇄ 255 | Counterclockwise rotation, slow to fast |
| 22 | Framing shutter rotation | 000 ⇄ 127 | Rotation, left to center |
| | | 128 | Stop |
| | | 129 ⇄ 255 | Rotation, center to right |
| 23 | Framing shutter 1 movement | 000 ⇄ 255 | Movement, outward to inward |
| 24 | Framing shutter 1 swiveling | 000 ⇄ 127 | Swiveling from -25° to 0° |
| | | 128 | 0° |
| | | 129 ⇄ 255 | Swiveling from 0° to +25° |
| 25 | Framing shutter 2 movement | 000 ⇄ 255 | Movement, outward to inward |

| Channel | Function | Value | Percent/Setting |
|-----------|-----------------------------|-----------|---|
| 26 | Framing shutter 2 swiveling | 000 ⇔ 127 | Swiveling from -25° to 0° |
| | | 128 | 0° |
| | | 129 ⇔ 255 | Swiveling from 0° to +25° |
| 27 | Framing shutter 3 movement | 000 ⇔ 255 | Movement, outward to inward |
| 28 | Framing shutter 3 swiveling | 000 ⇔ 127 | Swiveling from -25° to 0° |
| | | 128 | 0° |
| | | 129 ⇔ 255 | Swiveling from 0° to +25° |
| 29 | Framing shutter 4 movement | 000 ⇔ 255 | Movement, outward to inward |
| 30 | Framing shutter 4 swiveling | 000 ⇔ 127 | Swiveling from -25° to 0° |
| | | 128 | 0° |
| | | 129 ⇔ 255 | Swiveling from 0° to +25° |
| 31 | Focus | 000 ⇔ 255 | 0–100% |
| 32 | Focus fine | 000 ⇔ 255 | Fine control (16-bit) |
| 33 | Auto focus | 000 | Auto focus off |
| | | 001 ⇔ 007 | 4 m |
| | | 008 ⇔ 015 | 6 m |
| | | 016 ⇔ 023 | 8 m |
| | | 024 ⇔ 031 | 10 m |
| | | 032 ⇔ 039 | 12 m |
| | | 040 ⇔ 047 | 14 m |
| | | 048 ⇔ 055 | 16 m |
| | | 056 ⇔ 063 | 18 m |
| | | 064 ⇔ 071 | 4 m |
| | | 072 ⇔ 079 | 6 m |
| | | 080 ⇔ 087 | 8 m |
| | | 088 ⇔ 095 | 10 m |
| | | 096 ⇔ 103 | 12 m |
| | | 104 ⇔ 111 | 14 m |
| | | 112 ⇔ 119 | 16 m |
| 120 ⇔ 127 | 18 m | | |
| 128 ⇔ 255 | Reserved | | |
| 34 | Zoom | 000 ⇔ 255 | 0–100% |
| 35 | Zoom fine | 000 ⇔ 255 | Fine control (16-bit) |
| 36 | Prism | 000 ⇔ 127 | No function |
| | | 128 ⇔ 255 | Prism effect |
| 37 | Prism rotation | 000 ⇔ 127 | Prism indexing |
| | | 128 ⇔ 189 | Clockwise rotation, fast to slow |
| | | 190 ⇔ 193 | Stop |
| | | 194 ⇔ 255 | Counterclockwise rotation, slow to fast |
| 38 | Iris | 000 ⇔ 192 | Large to small |
| | | 193 ⇔ 213 | Auto change, slow to fast |
| | | 214 ⇔ 234 | Open, slow to fast |
| | | 235 ⇔ 255 | Close, slow to fast |
| 39 | Frost | 000 ⇔ 255 | 0–100% |
| 40 | Frost fine | 000 ⇔ 255 | Fine control (16-bit) |

| Channel | Function | Value | Percent/Setting |
|-----------|--|-----------|---|
| 41 | Control (hold for 3 seconds) | 000 ⇔ 007 | No function |
| | | 008 ⇔ 015 | Reset all |
| | | 016 ⇔ 023 | Pan & tilt reset |
| | | 024 ⇔ 031 | Effects reset (prism, iris, frost) |
| | | 032 ⇔ 039 | Gobo reset |
| | | 040 ⇔ 047 | Shutter module reset |
| | | 048 ⇔ 055 | Other reset (zoom, focus reset) |
| | | 056 ⇔ 063 | Color reset (CMY + CTO + color) |
| | | 064 ⇔ 071 | Absolute silence off |
| | | 072 ⇔ 079 | Absolute silence on |
| | | 080 ⇔ 087 | Steady off |
| | | 088 ⇔ 095 | Steady mode 1 (environment temperature 26 °C) |
| | | 096 ⇔ 103 | Steady mode 2 (environment temperature 35 °C) |
| | | 104 ⇔ 111 | Linear dimmer |
| | | 112 ⇔ 119 | Square dimmer curve |
| | | 120 ⇔ 127 | Inverse square dimmer curve |
| | | 128 ⇔ 135 | S-curve dimmer |
| | | 136 ⇔ 143 | Fast dimmer mode |
| 144 ⇔ 151 | Smooth dimmer mode | | |
| 152 ⇔ 255 | No function | | |

32CH

| Channel | Function | Value | Percent/Setting |
|-----------|----------------------------|-----------|------------------------------------|
| 1 | Pan | 000 ⇔ 255 | 0–100% |
| 2 | Pan fine | 000 ⇔ 255 | Fine control (16-bit) |
| 3 | Tilt | 000 ⇔ 255 | 0–100% |
| 4 | Tilt fine | 000 ⇔ 255 | Fine control (16-bit) |
| 5 | Dimmer | 000 ⇔ 255 | 0–100% |
| 6 | Shutter/Strobe | 000 ⇔ 010 | No function (shutter open) |
| | | 011 ⇔ 082 | Shutter effect, slow to fast |
| | | 083 ⇔ 093 | No function (shutter open) |
| | | 094 ⇔ 163 | Pulse effect in sequences |
| | | 164 ⇔ 174 | No function (shutter open) |
| | | 175 ⇔ 223 | Random effect, slow to fast |
| 224 ⇔ 255 | No function (shutter open) | | |
| 7 | Cyan | 000 ⇔ 255 | 0–100% |
| 8 | Magenta | 000 ⇔ 255 | 0–100% |
| 9 | Yellow | 000 ⇔ 255 | 0–100% |
| 10 | CTO | 000 ⇔ 255 | 0–100% |
| 11 | Color wheel | 000 ⇔ 004 | Open |
| | | 005 ⇔ 009 | Red |
| | | 010 ⇔ 013 | Orange |
| | | 014 ⇔ 018 | Dark green |
| | | 019 ⇔ 022 | Cyan |
| | | 023 ⇔ 027 | Congo blue |
| | | 028 ⇔ 031 | UV |
| | | 032 ⇔ 187 | Split color |
| | | 188 ⇔ 219 | Color scroll, fast to slow |
| | | 220 ⇔ 223 | Stop |
| | | 224 ⇔ 255 | Reverse color scroll, slow to fast |

| Channel | Function | Value | Percent/Setting |
|-----------|-------------------------------------|-----------|---|
| 12 | Rotating gobo wheel | 000 ⇄ 005 | Open |
| | | 006 ⇄ 010 | Gobo 1 (Barking up a flaming river) |
| | | 011 ⇄ 015 | Gobo 2 (Floyd) |
| | | 016 ⇄ 020 | Gobo 3 (Sparse branches) |
| | | 021 ⇄ 025 | Gobo 4 (Something linear) |
| | | 026 ⇄ 030 | Gobo 5 (Super max) |
| | | 031 ⇄ 035 | Gobo 6 (Windowpane) |
| | | 036 ⇄ 040 | Gobo 7 (Shower glass) |
| | | 041 ⇄ 055 | Gobo 1 shaking, slow to fast |
| | | 056 ⇄ 070 | Gobo 2 shaking, slow to fast |
| | | 071 ⇄ 085 | Gobo 3 shaking, slow to fast |
| | | 086 ⇄ 100 | Gobo 4 shaking, slow to fast |
| | | 101 ⇄ 115 | Gobo 5 shaking, slow to fast |
| | | 116 ⇄ 130 | Gobo 6 shaking, slow to fast |
| | | 131 ⇄ 145 | Gobo 7 shaking, slow to fast |
| | | 146 ⇄ 200 | Gobo scroll, static to fast |
| 201 ⇄ 255 | Reverse gobo scroll, static to fast | | |
| 13 | Gobo 1 rotation | 000 ⇄ 191 | Gobo rotation, slow to fast |
| | | 192 ⇄ 223 | Stop |
| | | 224 ⇄ 255 | Reverse gobo rotation, slow to fast |
| 14 | Static gobo wheel | 000 ⇄ 005 | Open |
| | | 006 ⇄ 010 | Gobo 1 (Dotty) |
| | | 011 ⇄ 015 | Gobo 2 (Stones) |
| | | 016 ⇄ 020 | Gobo 3 (Leafiness) |
| | | 021 ⇄ 025 | Gobo 4 (Busted burlap) |
| | | 026 ⇄ 030 | Gobo 5 (EVH) |
| | | 031 ⇄ 035 | Gobo 6 (Basketcase) |
| | | 036 ⇄ 040 | Gobo 7 (CaChow) |
| | | 041 ⇄ 045 | Gobo 8 (Grass vignette) |
| | | 046 ⇄ 060 | Gobo 1 shaking, slow to fast |
| | | 061 ⇄ 075 | Gobo 2 shaking, slow to fast |
| | | 076 ⇄ 090 | Gobo 3 shaking, slow to fast |
| | | 091 ⇄ 105 | Gobo 4 shaking, slow to fast |
| | | 106 ⇄ 120 | Gobo 5 shaking, slow to fast |
| | | 121 ⇄ 135 | Gobo 6 shaking, slow to fast |
| | | 136 ⇄ 150 | Gobo 7 shaking, slow to fast |
| | | 151 ⇄ 165 | Gobo 8 shaking, slow to fast |
| | | 166 ⇄ 210 | Gobo scroll, static to fast |
| 211 ⇄ 255 | Reverse gobo scroll, static to fast | | |
| 15 | Animation wheel | 000 ⇄ 003 | Open / No function |
| | | 004 ⇄ 127 | Clockwise rotation, fast to slow |
| | | 128 ⇄ 131 | Stop |
| | | 132 ⇄ 255 | Counterclockwise rotation, slow to fast |
| 16 | Framing shutter rotation | 000 ⇄ 127 | Rotation, left to center |
| | | 128 | Stop |
| | | 129 ⇄ 255 | Rotation, center to right |
| 17 | Framing shutter 1 movement | 000 ⇄ 255 | Movement, outward to inward |
| 18 | Framing shutter 1 swiveling | 000 ⇄ 127 | Swiveling from -25° to 0° |
| | | 128 | 0° |
| | | 129 ⇄ 255 | Swiveling from 0° to +25° |
| 19 | Framing shutter 2 movement | 000 ⇄ 255 | Movement, outward to inward |
| 20 | Framing shutter 2 swiveling | 000 ⇄ 127 | Swiveling from -25° to 0° |
| | | 128 | 0° |
| | | 129 ⇄ 255 | Swiveling from 0° to +25° |

| Channel | Function | Value | Percent/Setting |
|-----------|---------------------------------|-----------|---|
| 21 | Framing shutter 3 movement | 000 ⇔ 255 | Movement, outward to inward |
| 22 | Framing shutter 3 swiveling | 000 ⇔ 127 | Swiveling from -25° to 0° |
| | | 128 | 0° |
| | | 129 ⇔ 255 | Swiveling from 0° to +25° |
| 23 | Framing shutter 4 movement | 000 ⇔ 255 | Movement, outward to inward |
| 24 | Framing shutter 4 swiveling | 000 ⇔ 127 | Swiveling from -25° to 0° |
| | | 128 | 0° |
| | | 129 ⇔ 255 | Swiveling from 0° to +25° |
| 25 | Focus | 000 ⇔ 255 | 0–100% |
| 26 | Zoom | 000 ⇔ 255 | 0–100% |
| 27 | Prism | 000 ⇔ 127 | No function |
| | | 128 ⇔ 255 | Prism effect |
| 28 | Prism rotation | 000 ⇔ 127 | Prism indexing |
| | | 128 ⇔ 189 | Clockwise rotation, fast to slow |
| | | 190 ⇔ 193 | Stop |
| | | 194 ⇔ 255 | Counterclockwise rotation, slow to fast |
| 29 | Iris | 000 ⇔ 192 | Large to small |
| | | 193 ⇔ 213 | Auto change, slow to fast |
| | | 214 ⇔ 234 | Open, slow to fast |
| | | 235 ⇔ 255 | Close, slow to fast |
| 30 | Frost | 000 ⇔ 255 | 0–100% |
| 31 | Frost fine | 000 ⇔ 255 | Fine control (16-bit) |
| 32 | Control (hold for 3 seconds) | 000 ⇔ 007 | No function |
| | | 008 ⇔ 015 | Reset all |
| | | 016 ⇔ 023 | Pan & tilt reset |
| | | 024 ⇔ 031 | Effects reset (prism, iris, frost) |
| | | 032 ⇔ 039 | Gobo reset |
| | | 040 ⇔ 047 | Shutter module reset |
| | | 048 ⇔ 055 | Other reset (zoom, focus reset) |
| | | 056 ⇔ 063 | Color reset (CMY + CTO + color) |
| | | 064 ⇔ 071 | Absolute silence off |
| | | 072 ⇔ 079 | Absolute silence on |
| | | 080 ⇔ 087 | Steady off |
| | | 088 ⇔ 095 | Steady mode 1 (environment temperature 26 °C) |
| | | 096 ⇔ 103 | Steady mode 2 (environment temperature 35 °C) |
| | | 104 ⇔ 111 | Linear dimmer |
| | | 112 ⇔ 119 | Square dimmer curve |
| | | 120 ⇔ 127 | Inverse square dimmer curve |
| | | 128 ⇔ 135 | S-curve dimmer |
| 136 ⇔ 143 | Fast dimmer mode | | |
| 144 ⇔ 151 | Smooth dimmer mode | | |
| 152 ⇔ 255 | No function | | |