

DMX Values

19CH

| 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         | Strobe  | 000 ⇄ 007 | Off                               |
|           |   | 008 ⇄ 015 | On                                |
|           |   | 016 ⇄ 131 | Synchronized strobe, slow to fast |
|           |   | 132 ⇄ 167 | Fast off, slow on (slow to fast)  |
|           |   | 168 ⇄ 203 | Slow off, fast on (slow to fast)  |
|           |   | 204 ⇄ 239 | Pulse strobe, slow to fast        |
|           |   | 240 ⇄ 250 | Random strobe, slow to fast       |
|           |   | 251 ⇄ 255 | On                                |
| 9         | Color wheel                                       | 000 ⇄ 004 | Open                              |
|           |   | 005 ⇄ 008 | Red                               |
|           |   | 009 ⇄ 012 | Orange                            |
|           |   | 013 ⇄ 016 | Cyan                              |
|           |   | 017 ⇄ 020 | Light green                       |
|           |   | 021 ⇄ 024 | Light yellow                      |
|           |   | 025 ⇄ 028 | Lavender                          |
|           |   | 029 ⇄ 032 | Pink                              |
|           |   | 033 ⇄ 036 | Yellow                            |
|           |   | 037 ⇄ 040 | Magenta                           |
|           |   | 041 ⇄ 044 | Light blue                        |
|           |   | 045 ⇄ 048 | Amber                             |
|           |   | 049 ⇄ 052 | CTO 5600K                         |
|           |   | 053 ⇄ 056 | CTO 6500K                         |
|           |   | 057 ⇄ 060 | UV                                |
| 061 ⇄ 127 | Split colors                                      |           |                                   |
| 128 ⇄ 189 | Clockwise color scroll, fast to slow              |           |                                   |
| 190 ⇄ 193 | Stop  |           |                                   |
| 194 ⇄ 255 | Counterclockwise color scroll, slow to fast       |           |                                   |
| 10        | Static gobo wheel<br>(see <a href="#">Gobos</a> ) | 000 ⇄ 003 | Open                              |
|           |   | 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 | Gobo 10                           |
|           |   | 034 ⇄ 036 | Gobo 11                           |
|           |   | 037 ⇄ 039 | Gobo 12                           |
|           |   | 040 ⇄ 042 | Gobo 13                           |
|           |   | 043 ⇄ 045 | Gobo 14                           |
|           |   | 046 ⇄ 048 | Gobo 15                           |
|           |   | 049 ⇄ 051 | Gobo 16                           |
| 052 ⇄ 055 | Gobo 17   |           |                                   |

| Channel   | Function  | Value     | Percent/Setting                         |
|-----------|---|-----------|---|
| 10        | Static gobo wheel<br>(see <a href="#">Gobos</a> ) | 056 ⇔ 059 | Open                                    |
|           |   | 060 ⇔ 063 | Gobo 1 shaking, slow to fast            |
|           |   | 064 ⇔ 067 | Gobo 2 shaking, slow to fast            |
|           |   | 068 ⇔ 071 | Gobo 3 shaking, slow to fast            |
|           |   | 072 ⇔ 075 | Gobo 4 shaking, slow to fast            |
|           |   | 076 ⇔ 079 | Gobo 5 shaking, slow to fast            |
|           |   | 080 ⇔ 083 | Gobo 6 shaking, slow to fast            |
|           |   | 084 ⇔ 087 | Gobo 7 shaking, slow to fast            |
|           |   | 088 ⇔ 091 | Gobo 8 shaking, slow to fast            |
|           |   | 092 ⇔ 095 | Gobo 9 shaking, slow to fast            |
|           |   | 096 ⇔ 099 | Gobo 10 shaking, slow to fast           |
|           |   | 100 ⇔ 103 | Gobo 11 shaking, slow to fast           |
|           |   | 104 ⇔ 107 | Gobo 12 shaking, slow to fast           |
|           |   | 108 ⇔ 111 | Gobo 13 shaking, slow to fast           |
|           |   | 112 ⇔ 115 | Gobo 14 shaking, slow to fast           |
|           |   | 116 ⇔ 119 | Gobo 15 shaking, slow to fast           |
|           |   | 120 ⇔ 123 | Gobo 16 shaking, slow to fast           |
| 124 ⇔ 127 | Gobo 17 shaking, slow to fast                     |           |   |
| 128 ⇔ 189 | Clockwise gobo scroll, fast to slow               |           |   |
| 190 ⇔ 193 | Stop  |           |   |
| 194 ⇔ 255 | Counterclockwise gobo scroll, slow to fast        |           |   |
| 11        | Prism 1   | 000 ⇔ 004 | No function                             |
|           |   | 005 ⇔ 255 | Prism insert                            |
| 12        | Rotating prism 1                                  | 000 ⇔ 127 | Prism index                             |
|           |   | 128 ⇔ 189 | Clockwise rotation, fast to slow        |
|           |   | 190 ⇔ 193 | Stop                                    |
|           |   | 194 ⇔ 255 | Counterclockwise rotation, slow to fast |
| 13        | Prism 2   | 000 ⇔ 004 | No function                             |
|           |   | 005 ⇔ 255 | Prism index                             |
| 14        | Rotating prism 2                                  | 000 ⇔ 127 | Prism index                             |
|           |   | 128 ⇔ 189 | Clockwise rotation, fast to slow        |
|           |   | 190 ⇔ 193 | Stop                                    |
|           |   | 194 ⇔ 255 | Counterclockwise rotation, slow to fast |
| 15        | Frost   | 000 ⇔ 255 | 0–100%                                  |
| 16        | Focus   | 000 ⇔ 255 | 0–100%                                  |

| Channel   | Function             | Value     | Percent/Setting                                    |
|-----------|----------------------|-----------|--|
| 17        | Movement macros      | 000 ⇄ 007 | No function  |
|           |                      | 008 ⇄ 015 | Effect 1   |
|           |                      | 016 ⇄ 023 | Effect 2   |
|           |                      | 024 ⇄ 031 | Effect 3   |
|           |                      | 032 ⇄ 039 | Effect 4   |
|           |                      | 040 ⇄ 047 | Effect 5   |
|           |                      | 048 ⇄ 055 | Effect 6   |
|           |                      | 056 ⇄ 063 | Effect 7   |
|           |                      | 064 ⇄ 071 | Effect 8   |
|           |                      | 072 ⇄ 079 | Effect 9   |
|           |                      | 080 ⇄ 087 | Effect 10  |
|           |                      | 088 ⇄ 095 | Effect 11  |
|           |                      | 096 ⇄ 103 | Effect 12  |
|           |                      | 104 ⇄ 111 | Effect 13  |
|           |                      | 112 ⇄ 119 | Effect 14  |
|           |                      | 120 ⇄ 127 | Effect 15  |
|           |                      | 128 ⇄ 135 | Effect 16  |
|           |                      | 136 ⇄ 143 | Effect 17  |
|           |                      | 144 ⇄ 151 | Effect 18  |
|           |                      | 152 ⇄ 159 | Effect 19  |
|           |                      | 160 ⇄ 167 | Effect 20  |
|           |                      | 168 ⇄ 175 | Effect 21  |
|           |                      | 176 ⇄ 183 | Effect 22  |
|           |                      | 184 ⇄ 191 | Effect 23  |
|           |                      | 192 ⇄ 199 | Effect 24  |
|           |                      | 200 ⇄ 207 | Effect 25  |
|           |                      | 208 ⇄ 215 | Effect 26  |
|           |                      | 216 ⇄ 223 | Effect 27  |
|           |                      | 224 ⇄ 231 | Effect 28  |
|           |                      | 232 ⇄ 239 | Effect 29  |
|           |                      | 240 ⇄ 247 | Effect 30  |
| 248 ⇄ 255 | Effect 31            |           |  |
| 18        | Movement macro speed | 000 ⇄ 255 | Fast to slow                                       |
| 19        | Control              | 000 ⇄ 069 | No function  |
|           |                      | 070 ⇄ 079 | Blackout during pan/tilt (3 sec hold)              |
|           |                      | 080 ⇄ 089 | Disable pan/tilt blackout (3 sec hold)             |
|           |                      | 090 ⇄ 099 | Blackout while color wheel is moving (3 sec hold)  |
|           |                      | 100 ⇄ 109 | Disable color wheel blackout (3 sec hold)          |
|           |                      | 110 ⇄ 119 | Blackout while gobo wheels are moving (3 sec hold) |
|           |                      | 120 ⇄ 129 | Disable gobo wheel blackout (3 sec hold)           |
|           |                      | 130 ⇄ 139 | Lamp on  |
|           |                      | 140 ⇄ 149 | Pan/tilt reset                                     |
|           |                      | 150 ⇄ 159 | Color wheel reset                                  |
|           |                      | 160 ⇄ 169 | Gobo wheel reset                                   |
|           |                      | 170 ⇄ 179 | Strobe/prism reset                                 |
|           |                      | 180 ⇄ 189 | No function  |
|           |                      | 190 ⇄ 199 | Focus reset  |
|           |                      | 200 ⇄ 209 | All reset  |
|           |                      | 210 ⇄ 219 | Blackout all function                              |
|           |                      | 220 ⇄ 229 | Disable blackout all function                      |
|           |                      | 230 ⇄ 239 | Lamp off   |
|           |                      | 240 ⇄ 255 | No function  |

16Ch

| 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         | Strobe                                      | 000 ⇔ 007 | Off                                  |
|           |   | 008 ⇔ 015 | On                                   |
|           |   | 016 ⇔ 131 | Synchronized strobe, slow to fast    |
|           |   | 132 ⇔ 167 | Fast off, slow on (slow to fast)     |
|           |   | 168 ⇔ 203 | Slow off, fast on (slow to fast)     |
|           |   | 204 ⇔ 239 | Pulse strobe, slow to fast           |
|           |   | 240 ⇔ 250 | Random strobe, slow to fast          |
|           |   | 251 ⇔ 255 | On                                   |
| 8         | Color wheel                                 | 000 ⇔ 004 | Open                                 |
|           |   | 005 ⇔ 008 | Red                                  |
|           |   | 009 ⇔ 012 | Orange                               |
|           |   | 013 ⇔ 016 | Cyan                                 |
|           |   | 017 ⇔ 020 | Light green                          |
|           |   | 021 ⇔ 024 | Light yellow                         |
|           |   | 025 ⇔ 028 | Lavender                             |
|           |   | 029 ⇔ 032 | Pink                                 |
|           |   | 033 ⇔ 036 | Yellow                               |
|           |   | 037 ⇔ 040 | Magenta                              |
|           |   | 041 ⇔ 044 | Light blue                           |
|           |   | 045 ⇔ 048 | Amber                                |
|           |   | 049 ⇔ 052 | CTO 5600K                            |
|           |   | 053 ⇔ 056 | CTO 6500K                            |
|           |   | 057 ⇔ 060 | UV                                   |
|           |   | 061 ⇔ 127 | Split colors                         |
|           |   | 128 ⇔ 189 | Clockwise color scroll, fast to slow |
| 190 ⇔ 193 | Stop  |           |                                      |
| 194 ⇔ 255 | Counterclockwise color scroll, slow to fast |           |                                      |

| Channel   | Function  | Value     | Percent/Setting                         |
|-----------|---|-----------|---|
| 9         | Static gobo wheel<br>(see <a href="#">Gobos</a> ) | 000 ⇄ 003 | Open                                    |
|           |   | 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 | Gobo 10                                 |
|           |   | 034 ⇄ 036 | Gobo 11                                 |
|           |   | 037 ⇄ 039 | Gobo 12                                 |
|           |   | 040 ⇄ 042 | Gobo 13                                 |
|           |   | 043 ⇄ 045 | Gobo 14                                 |
|           |   | 046 ⇄ 048 | Gobo 15                                 |
|           |   | 049 ⇄ 051 | Gobo 16                                 |
|           |   | 052 ⇄ 055 | Gobo 17                                 |
|           |   | 056 ⇄ 059 | Open                                    |
|           |   | 060 ⇄ 063 | Gobo 1 shaking, slow to fast            |
|           |   | 064 ⇄ 067 | Gobo 2 shaking, slow to fast            |
|           |   | 068 ⇄ 071 | Gobo 3 shaking, slow to fast            |
|           |   | 072 ⇄ 075 | Gobo 4 shaking, slow to fast            |
|           |   | 076 ⇄ 079 | Gobo 5 shaking, slow to fast            |
|           |   | 080 ⇄ 083 | Gobo 6 shaking, slow to fast            |
|           |   | 084 ⇄ 087 | Gobo 7 shaking, slow to fast            |
|           |   | 088 ⇄ 091 | Gobo 8 shaking, slow to fast            |
|           |   | 092 ⇄ 095 | Gobo 9 shaking, slow to fast            |
|           |   | 096 ⇄ 099 | Gobo 10 shaking, slow to fast           |
|           |   | 100 ⇄ 103 | Gobo 11 shaking, slow to fast           |
|           |   | 104 ⇄ 107 | Gobo 12 shaking, slow to fast           |
| 108 ⇄ 111 | Gobo 13 shaking, slow to fast                     |           |   |
| 112 ⇄ 115 | Gobo 14 shaking, slow to fast                     |           |   |
| 116 ⇄ 119 | Gobo 15 shaking, slow to fast                     |           |   |
| 120 ⇄ 123 | Gobo 16 shaking, slow to fast                     |           |   |
| 124 ⇄ 127 | Gobo 17 shaking, slow to fast                     |           |   |
| 128 ⇄ 189 | Clockwise gobo scroll, fast to slow               |           |   |
| 190 ⇄ 193 | Stop  |           |   |
| 194 ⇄ 255 | Counterclockwise gobo scroll, slow to fast        |           |   |
| 10        | Prism 1   | 000 ⇄ 004 | No function                             |
|           |   | 005 ⇄ 255 | Prism insert                            |
| 11        | Rotating prism 1                                  | 000 ⇄ 127 | Prism index                             |
|           |   | 128 ⇄ 189 | Clockwise rotation, fast to slow        |
|           |   | 190 ⇄ 193 | Stop                                    |
|           |   | 194 ⇄ 255 | Counterclockwise rotation, slow to fast |
| 12        | Prism 2   | 000 ⇄ 004 | No function                             |
|           |   | 005 ⇄ 255 | Prism index                             |
| 13        | Rotating prism 2                                  | 000 ⇄ 127 | Prism index                             |
|           |   | 128 ⇄ 189 | Clockwise rotation, fast to slow        |
|           |   | 190 ⇄ 193 | Stop                                    |
|           |   | 194 ⇄ 255 | Counterclockwise rotation, slow to fast |

| Channel   | Function    | Value     | Percent/Setting                                    |
|-----------|-------------|-----------|--|
| 14        | Frost       | 000 ⇔ 255 | 0–100%   |
| 15        | Focus       | 000 ⇔ 255 | 0–100%   |
| 16        | Control     | 000 ⇔ 069 | No function  |
|           |             | 070 ⇔ 079 | Blackout during pan/tilt (3 sec hold)              |
|           |             | 080 ⇔ 089 | Disable pan/tilt blackout (3 sec hold)             |
|           |             | 090 ⇔ 099 | Blackout while color wheel is moving (3 sec hold)  |
|           |             | 100 ⇔ 109 | Disable color wheel blackout (3 sec hold)          |
|           |             | 110 ⇔ 119 | Blackout while gobo wheels are moving (3 sec hold) |
|           |             | 120 ⇔ 129 | Disable gobo wheel blackout (3 sec hold)           |
|           |             | 130 ⇔ 139 | Lamp on  |
|           |             | 140 ⇔ 149 | Pan/tilt reset                                     |
|           |             | 150 ⇔ 159 | Color wheel reset                                  |
|           |             | 160 ⇔ 169 | Gobo wheel reset                                   |
|           |             | 170 ⇔ 179 | Strobe/prism reset                                 |
|           |             | 180 ⇔ 189 | No function  |
|           |             | 190 ⇔ 199 | Focus reset  |
|           |             | 200 ⇔ 209 | All reset  |
|           |             | 210 ⇔ 219 | Blackout all function                              |
|           |             | 220 ⇔ 229 | Disable blackout all function                      |
| 230 ⇔ 239 | Lamp off    |           |  |
| 240 ⇔ 255 | No function |           |  |

**Gobos**

