

| CHANNEL |      |      |      | VALUE                                    | FUNCTION  |
|---------|------|------|------|--|---|
| 29ch    | 27ch | 16ch | 27ch |  |   |
| 1       | 18   | 10   | 10   | 000-255                                  | <b>PAN</b><br>0°→540°   |
| 2       | 19   | 11   | 11   | 000-255                                  | <b>PAN FINE</b><br>0% → 100%  |
|         | 20   |      | 25   | 000<br>001 - 255                         | <b>ENDLESS PAN</b><br>Unused range<br>Pan rotation from Slow to Fast  |
|         | 21   |      | 26   | 000-127<br>128-255                       | <b>PAN DIRECTION</b><br>CCW<br>CW   |
| 3       | 22   | 12   | 12   | 000-255                                  | <b>TILT</b><br>0°→270°  |
| 4       | 23   | 13   | 13   | 000-255                                  | <b>TILT FINE</b><br>0% → 100%   |
| 5       |      |      |      | 000-127<br>128-189<br>190-193<br>194-255 | <b>PAN INFINITY</b><br>No Function<br>Counter-Clockwise rotation, fast to slow<br>Stop<br>Clockwise rotation, slow to fast  |
| 6       |      |      |      | 000-127<br>128-189<br>190-193<br>194-255 | <b>TILT INFINITY</b><br>No Function<br>Counter-Clockwise rotation, fast to slow<br>Stop<br>Clockwise rotation, slow to fast |
| 7       | 24   |      | 27   | 000-255                                  | <b>PAN/TILT SPEED</b><br>Fast to Slow   |
| 8       | 1    |      | 17   | 000-255                                  | <b>CYAN</b><br>0% → 100%  |
| 9       | 2    |      | 18   | 000-255                                  | <b>CYAN FINE</b><br>0% → 100%   |
| 10      | 3    |      | 19   | 000-255                                  | <b>MAGENTA</b><br>0% → 100%   |
| 11      | 4    |      | 20   | 000-255                                  | <b>MAGENTA FINE</b><br>0% → 100%  |
| 12      | 5    |      | 21   | 000-255                                  | <b>YELLOW</b><br>0% → 100%  |
| 13      | 6    |      | 22   | 000-255                                  | <b>YELLOW FINE</b><br>0% → 100%   |
| 14      |      |      |      | 000-255                                  | <b>CTO</b>  |

|    |   |   |   |           | 0% → 100%                         |
|----|---|---|---|-----------|-----------------------------------|
|    |   |   |   |           | <b>COLOR WHEEL</b>                |
|    |   |   |   | 000       | White                             |
|    |   |   |   | 005       | White+Color1                      |
|    |   |   |   | 009       | Color1                            |
|    |   |   |   | 013       | Color1+Color2                     |
|    |   |   |   | 018       | Color2                            |
|    |   |   |   | 022       | Color2+Color3                     |
|    |   |   |   | 026       | Color3                            |
|    |   |   |   | 30        | Color3+Color4                     |
|    |   |   |   | 35        | Color4                            |
|    |   |   |   | 39        | Color4+Color5                     |
|    |   |   |   | 43        | Color5                            |
|    |   |   |   | 47        | Color5+Color6                     |
|    | 7 | 1 | 1 | 52        | Color6                            |
|    |   |   |   | 56        | White + Color7                    |
|    |   |   |   | 60        | Color7                            |
|    |   |   |   | 64        | Color7+Color8                     |
|    |   |   |   | 69        | Color8                            |
|    |   |   |   | 73        | Color8+Color9                     |
|    |   |   |   | 77        | Color9                            |
|    |   |   |   | 82        | Color9+Color10                    |
|    |   |   |   | 86        | Color10                           |
|    |   |   |   | 90        | Color10+Color11                   |
|    |   |   |   | 94        | Color11                           |
|    |   |   |   | 99        | Color11+Color12                   |
|    |   |   |   | 103-127   | Color12                           |
|    |   |   |   | 128 - 255 | Slow rotation to fast rotation    |
|    |   |   |   |           | <b>STOP/STROBE</b>                |
|    |   |   |   | 000 - 003 | Closed                            |
|    |   |   |   | 004 - 103 | Strobe linear from slow           |
|    |   |   |   | 104 - 107 | Open                              |
|    |   |   |   | 108 - 207 | Pulsation linear from slow        |
|    | 8 | 2 | 2 | 208 - 212 | Open                              |
|    |   |   |   | 213 - 225 | Random Strobe at low frequency    |
|    |   |   |   | 226 - 238 | Random Strobe at medium frequency |
|    |   |   |   | 239 - 251 | Random Strobe at high frequency   |
|    |   |   |   | 252 - 255 | Open                              |
|    |   |   |   |           | <b>COLOR</b>                      |
| 15 |   |   |   | 000-007   | Open                              |
|    |   |   |   | 008-011   | Color 1                           |
|    |   |   |   | 012-015   | Color 2                           |
|    |   |   |   | 016-019   | Color 3                           |
|    |   |   |   | 020-023   | Color 4                           |
|    |   |   |   | 024-027   | Color 5                           |
|    |   |   |   | 028-031   | Color 6                           |
|    |   |   |   | 032-035   | Color 7                           |

|    |  |  |  |         |                                |
|----|--|--|--|---------|--------------------------------|
|    |  |  |  | 036-039 | Color 8                        |
|    |  |  |  | 040-043 | Color 9                        |
|    |  |  |  | 044-047 | Color 10                       |
|    |  |  |  | 048-051 | Color 11                       |
|    |  |  |  | 052-063 | Color 12                       |
|    |  |  |  | 064-065 | White                          |
|    |  |  |  | 066-067 | White+Color1                   |
|    |  |  |  | 068-069 | Color1                         |
|    |  |  |  | 070-071 | Color1+Color2                  |
|    |  |  |  | 072-073 | Color2                         |
|    |  |  |  | 074-075 | Color2+Color3                  |
|    |  |  |  | 076-077 | Color3                         |
|    |  |  |  | 078-079 | Color3+Color4                  |
|    |  |  |  | 080-081 | Color4                         |
|    |  |  |  | 082-083 | Color4+Color5                  |
|    |  |  |  | 084-085 | Color5                         |
|    |  |  |  | 086-087 | Color5+Color6                  |
|    |  |  |  | 088-089 | Color6                         |
|    |  |  |  | 090-091 | White + Color7                 |
|    |  |  |  | 092-093 | Color7                         |
|    |  |  |  | 094-095 | Color7+Color8                  |
|    |  |  |  | 096-097 | Color8                         |
|    |  |  |  | 098-099 | Color8+Color9                  |
|    |  |  |  | 100-101 | Color9                         |
|    |  |  |  | 102-103 | Color9+Color10                 |
|    |  |  |  | 104-105 | Color10                        |
|    |  |  |  | 106-107 | Color10+Color11                |
|    |  |  |  | 108-109 | Color11                        |
|    |  |  |  | 110-111 | Color11+Color12                |
|    |  |  |  | 112-113 | Color12                        |
|    |  |  |  | 114-127 | White                          |
|    |  |  |  | 128-255 | Slow rotation to fast rotation |
| 16 |  |  |  | 000-010 | <b>GOBO</b>                    |
|    |  |  |  | 011-013 | OPEN                           |
|    |  |  |  | 014-016 | GOBO1                          |
|    |  |  |  | 017-019 | GOBO2                          |
|    |  |  |  | 020-022 | GOBO3                          |
|    |  |  |  | 023-025 | GOBO4                          |
|    |  |  |  | 026-028 | GOBO5                          |
|    |  |  |  | 029-031 | GOBO6                          |
|    |  |  |  | 032-034 | GOBO7                          |
|    |  |  |  | 035-037 | GOBO8                          |
|    |  |  |  | 038-040 | GOBO9                          |
|    |  |  |  | 041-043 | GOBO10                         |
|    |  |  |  | 044-046 | GOBO11                         |
|    |  |  |  | 047-049 | GOBO12                         |

|    |    |   |    |  |   |
|----|----|---|----|--|---|
|    |    |   |    | 050-052<br>053-055<br>056-058<br>059-066<br>067-069<br>070-072<br>073-075<br>076-078<br>079-081<br>082-084<br>085-087<br>088-090<br>091-093<br>094-096<br>097-099<br>100-102<br>103-105<br>106-108<br>109-111<br>112-114<br>115-127<br>128-189<br>190-193<br>194-255 | GOBO14<br>GOBO15<br>GOBO16<br>Null<br>GOBO1 Shaking Slow->Fast<br>GOBO2 Shaking Slow->Fast<br>GOBO3 Shaking Slow->Fast<br>GOBO4 Shaking Slow->Fast<br>GOBO5 Shaking Slow->Fast<br>GOBO6 Shaking Slow->Fast<br>GOBO7 Shaking Slow->Fast<br>GOBO8 Shaking Slow->Fast<br>GOBO9 Shaking Slow->Fast<br>GOBO10 Shaking Slow->Fast<br>GOBO11 Shaking Slow->Fast<br>GOBO12 Shaking Slow->Fast<br>GOBO13 Shaking Slow->Fast<br>GOBO14 Shaking Slow->Fast<br>GOBO15 Shaking Slow->Fast<br>GOBO16 Shaking Slow->Fast<br>Null<br>Counter-Clockwise rotation, fast to slow<br>Stop<br>Clockwise rotation, slow to fast |
| 17 | 12 | 5 | 5  | 000-007<br>008-255   | <b>PRISM1</b><br>Close<br>Open  |
| 18 | 13 | 6 | 6  | 000-127<br>128-189<br>190-193<br>194-255   | <b>R-PRISM1</b><br>Index 0°→360°<br>Clockwise Rotation, Fast to Slow<br>Stop<br>Counter-Clockwise Rotation, Slow to Fast  |
| 19 | 14 |   | 23 | 000-007<br>008-255   | <b>PRISM 2</b><br>Close<br>Open   |
| 20 | 15 |   | 24 | 000-127<br>128-189<br>190-193<br>194-255   | <b>R-PRISM2</b><br>Index 0°→360°<br>Clockwise Rotation, Fast to Slow<br>Stop<br>Counter-Clockwise Rotation, Slow to Fast  |
| 21 | 16 | 8 | 8  | 000-007<br>008-255   | <b>FROST</b><br>Close<br>Open   |
| 22 |    |   |    | 000-255  | <b>ZOOM</b><br>0% → 100%  |

|    |    |   |   |   |  |
|----|----|---|---|---|--|
| 23 |    |   |   | 000-255   | <b>ZOOM FINE</b><br>0% → 100%  |
| 24 | 17 | 9 | 9 | 000-255   | <b>FOCUS</b><br>0% → 100%  |
| 25 |    |   |   | 000-255   | <b>FOCUS FINE</b><br>0% → 100%   |
| 26 |    |   |   | 000-007<br>008-015<br>016-131<br>132-139<br>140-181<br>182-189<br>190-231<br>232-239<br>240-247<br>248-255  | <b>STROBE</b><br>Closed<br>Open<br>Strobe Slow->Fast<br>Open<br>Fast Open Slow Close<br>Open<br>Fast Close Slow Open<br>Open<br>Random Strobe Slow >Fast<br>Open   |
| 27 | 9  | 3 | 3 | 000-255   | <b>DIMMER</b><br>0% → 100%   |
| 28 | 10 |   |   | 000-255   | <b>DIMMER FINE</b><br>0% → 100%  |
|    | 11 | 4 | 4 | 000 - 007<br>008 - 011<br>012 - 015<br>016 - 019<br>020 - 023<br>024 - 027<br>028 - 031<br>032 - 035<br>036 - 039<br>040 - 043<br>044 - 047<br>048 - 051<br>052 - 055<br>056 - 059<br>060 - 063<br>064 - 067<br>068 - 071<br>072 - 113<br>114 - 117<br>118 - 159<br>160 - 166<br>167 - 172<br>173 - 179<br>180 - 185<br>186 - 191 | <b>STATIC GOBO</b><br>White<br>Gobo1<br>Gobo 2<br>Gobo 3<br>Gobo 4<br>Gobo 5<br>Gobo 6<br>Gobo 7<br>Gobo 8<br>Gobo 9<br>Gobo 10<br>Gobo 11<br>Gobo 12<br>Gobo 13<br>Gobo 14<br>Gobo 15<br>Gobo 16<br>Counter-Clockwise rotation, fast to slow<br><b>STOP</b><br>Clockwise rotation, slow to fast<br>GOBO1 Shaking Slow->Fast<br>GOBO2 Shaking Slow->Fast<br>GOBO3 Shaking Slow->Fast<br>GOBO4 Shaking Slow->Fast<br>GOBO5 Shaking Slow->Fast |

|  |    |    |    |   |  |
|--|----|----|----|---|--|
|  |    |    |    | 192 - 198<br>199 - 204<br>205 - 211<br>212 - 217<br>218 - 223<br>224 - 230<br>231 - 236<br>237 - 243<br>244 - 249<br>250 - 255  | GOBO6 Shaking Slow->Fast<br>GOBO7 Shaking Slow->Fast<br>GOBO8 Shaking Slow->Fast<br>GOBO9 Shaking Slow->Fast<br>GOBO10 Shaking Slow->Fast<br>GOBO11 Shaking Slow->Fast<br>GOBO12 Shaking Slow->Fast<br>GOBO13 Shaking Slow->Fast<br>GOBO14 Shaking Slow->Fast<br>GOBO15 Shaking Slow->Fast   |
|  | 25 | 14 | 14 | 000 - 050<br>051 - 055<br>056 - 060<br>061 - 065<br>066 - 070<br>071 - 200<br>201 - 205<br>206 - 210<br>211 - 220<br>221 - 225<br>226 - 230<br>231 - 255  | <b>FUNCTION</b><br>(IMPORTANT: Functions are activated/selected staying in the necessary range for 3 seconds)<br>No Function<br>Pan invert OFF (default)<br>Pan invert: ON<br>Tilt invert OFF (default)<br>Tilt invert: ON<br>No Function<br>Dimmer Curve Linear (default)<br>Dimmer Curve Square<br>No Function<br>Sun Protection Mode: Off<br>Sun Protection Mode: On<br>No Function |
|  | 26 | 15 | 15 | 000 - 203<br>204 - 205<br>208 - 213<br>214 - 215<br>216 - 217<br>218 - 219<br>220 - 221<br>222 - 223<br>224 - 227<br>228 - 229<br>230 - 231<br>232 - 233<br>234 - 235<br>236 - 237<br>238 - 249<br>250 - 251<br>252 - 255 | <b>RESET</b><br>IMPORTANT: Reset sequence is activated staying in the range for 3 seconds<br>No Function<br>Reset CMY<br>No Function<br>Reset Gobo1<br>No Function<br>Reset Prism<br>No Function<br>Reset Frost1<br>No Function<br>Reset Focus<br>No Function<br>Reset Pan<br>Reset Tilt<br>Reset P/T<br>No Function<br>Reset Effects<br>Reset ALL                                     |
|  | 27 | 16 | 16 | 000   | NULL   |
|  |    | 7  | 7  | 000   | NULL   |

|  |  |  |         | FUNCTION                      |
|--|--|--|---------|-------------------------------|
|  |  |  | 000-029 | No Function                   |
|  |  |  | 030-039 | Dimmer Curve Linear           |
|  |  |  | 040-049 | Dimmer Curve Square Law       |
|  |  |  | 050-059 | Dimmer Curve Inv Square Law   |
|  |  |  | 060-069 | Dimmer Curve S                |
|  |  |  | 070-079 | Fan Mode Standard             |
|  |  |  | 080-089 | Fan Mode Quiet                |
|  |  |  | 090-099 | Fan Mode Theatre              |
|  |  |  | 100-109 | LED Frequency Setting Enable  |
|  |  |  | 110-119 | LED Frequency Setting Disable |
|  |  |  | 120-122 | No Function                   |
|  |  |  | 123     | 900Hz                         |
|  |  |  | 124     | 1000Hz                        |
|  |  |  | 125     | 1100Hz                        |
|  |  |  | 126     | 1200Hz                        |
|  |  |  | 127     | 1300Hz                        |
|  |  |  | 128     | 1400Hz                        |
|  |  |  | 129     | 1500Hz                        |
|  |  |  | 130     | 2500Hz                        |
|  |  |  | 131     | 4000Hz                        |
|  |  |  | 132     | 5000Hz                        |
|  |  |  | 133     | 6000Hz                        |
|  |  |  | 134     | 10KHz                         |
|  |  |  | 135     | 15KHz                         |
|  |  |  | 136     | 20KHz                         |
|  |  |  | 137     | 25KHz                         |
|  |  |  | 138-139 | No Function                   |
|  |  |  | 140-149 | Pan/tilt Reset                |
|  |  |  | 150-159 | Effect Reset                  |
|  |  |  | 160-171 | No Function                   |
|  |  |  | 172-173 | Focus Compensate Disable      |
|  |  |  | 174-175 | Focus Compensate Near(10m)    |
|  |  |  | 176-177 | Focus Compensate Medium(20m)  |
|  |  |  | 178-179 | Focus Compensate Far(30m)     |
|  |  |  | 180-181 | Sun Protection Mode: On       |
|  |  |  | 182-183 | Sun Protection Mode: Off      |
|  |  |  | 184-199 | No Function                   |
|  |  |  | 200-209 | Reset all                     |
|  |  |  | 210-219 | Dimmer Speed Fast             |
|  |  |  | 220-229 | Dimmer Speed Smooth           |
|  |  |  | 230-231 | GOBO Short Cut Enable         |
|  |  |  | 232-233 | GOBO Short Cut Disable        |
|  |  |  | 234-255 | No Function                   |