

## 17 Channels (Mode 1):

| CHANNEL | VALUE                                                                                                      | FUNCTION                                                                                                                                                                                                   |
|---------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | 000-255                                                                                                    | PAN<br>0°→540°                                                                                                                                                                                             |
| 2       | 000-255                                                                                                    | PAN FINE                                                                                                                                                                                                   |
| 3       | 000-255                                                                                                    | TILT<br>0°→230°                                                                                                                                                                                            |
| 4       | 000-255                                                                                                    | TILT FINE                                                                                                                                                                                                  |
| 5       | 000-255                                                                                                    | ZOOM<br>Narrow→Wide                                                                                                                                                                                        |
| 6       | 000-255                                                                                                    | DIMMER<br>0%→100%                                                                                                                                                                                          |
| 7       | 000-255                                                                                                    | DIMMER FINE                                                                                                                                                                                                |
| 8       | 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 | STROBE<br>Close<br>Open<br>Strobe from Slow to Fast<br>Open<br>Fast Close Slow Open from Slow to Fast<br>Open<br>Fast Open Slow Close from Slow to Fast<br>Open<br>Random Strobe from Slow to Fast<br>Open |
| 9       | 000-255                                                                                                    | RED<br>0%→100%                                                                                                                                                                                             |
| 10      | 000-255                                                                                                    | GREEN<br>0%→100%                                                                                                                                                                                           |
| 11      | 000-255                                                                                                    | BLUE<br>0%→100%                                                                                                                                                                                            |
| 12      | 000-255                                                                                                    | WHITE<br>0%→100%                                                                                                                                                                                           |
| 13      | 000<br>001-004<br>005-009<br>010-013<br>014-018                                                            | CTO<br>Null<br>8000K<br>7900K<br>7800K<br>7700K                                                                                                                                                            |

|         |       |
|---------|-------|
| 019-022 | 7600K |
| 023-027 | 7500K |
| 028-031 | 7400K |
| 032-036 | 7300K |
| 037-040 | 7200K |
| 041-045 | 7100K |
| 046-049 | 7000K |
| 050-054 | 6900K |
| 055-058 | 6800K |
| 059-063 | 6700K |
| 064-067 | 6600K |
| 068-072 | 6500K |
| 073-076 | 6400K |
| 077-081 | 6300K |
| 082-085 | 6200K |
| 086-090 | 6100K |
| 091-094 | 6000K |
| 095-099 | 5900K |
| 100-103 | 5800K |
| 104-108 | 5700K |
| 109-112 | 5600K |
| 113-117 | 5500K |
| 118-121 | 5400K |
| 122-126 | 5300K |
| 127-130 | 5200K |
| 131-135 | 5100K |
| 136-139 | 5000K |
| 140-144 | 4900K |
| 145-148 | 4800K |
| 149-153 | 4700K |
| 154-157 | 4600K |
| 158-162 | 4500K |
| 163-166 | 4400K |
| 167-171 | 4300K |
| 172-175 | 4200K |
| 176-180 | 4100K |
| 181-184 | 4000K |
| 185-189 | 3900K |
| 190-193 | 3800K |
| 194-198 | 3700K |
| 199-202 | 3600K |

|    |                    |          |
|----|--------------------|----------|
| 14 | 203-207            | 3500K    |
|    | 208-211            | 3400K    |
|    | 212-216            | 3300K    |
|    | 217-220            | 3200K    |
|    | 221-225            | 3100K    |
|    | 226-229            | 3000K    |
|    | 230-234            | 2900K    |
|    | 235-238            | 2800K    |
|    | 239-243            | 2700K    |
|    | 244-247            | 2600K    |
|    | 248-255            | 2500K    |
|    | <b>COLOR MACRO</b> |          |
|    | 000-007            | Null     |
|    | 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 |
|    | 052-055            | Color 12 |
|    | 056-059            | Color 13 |
|    | 060-063            | Color 14 |
|    | 064-067            | Color 15 |
|    | 068-071            | Color 16 |
|    | 072-075            | Color 17 |
|    | 076-079            | Color 18 |
|    | 080-083            | Color 19 |
|    | 084-087            | Color 20 |
|    | 088-091            | Color 21 |
|    | 092-095            | Color 22 |
|    | 096-099            | Color 23 |
|    | 100-103            | Color 24 |
|    | 104-107            | Color 25 |
|    | 108-111            | Color 26 |
|    | 112-115            | Color 27 |
|    | 116-119            | Color 28 |

|    |         |                                          |
|----|---------|------------------------------------------|
| 15 | 120-123 | Color 29                                 |
|    | 124-127 | Color 30                                 |
|    | 128-131 | Color 31                                 |
|    | 132-135 | Color 32                                 |
|    | 136-165 | Clockwise Rotation, Fast to Slow         |
|    | 166-195 | Counter-Clockwise Rotation, Slow to Fast |
|    | 196-205 | Red→Green Fast to Slow                   |
|    | 206-215 | Red→Blue Fast to Slow                    |
|    | 216-225 | Red→White Fast to Slow                   |
|    | 226-235 | Green→Blue Fast to Slow                  |
|    | 236-245 | Green→White Fast to Slow                 |
|    | 246-255 | Blue→White Fast to Slow                  |
|    |         | <b>PIXEL SELECT</b>                      |
|    | 000-003 | Open                                     |
|    | 004-007 | Pattern 1                                |
|    | 008-011 | Pattern 2                                |
|    | 012-015 | Pattern 3                                |
|    | 016-019 | Pattern 4                                |
|    | 020-023 | Pattern 5                                |
|    | 024-027 | Pattern 6                                |
|    | 028-031 | Pattern 7                                |
|    | 032-035 | Pattern 8                                |
|    | 036-039 | Pattern 9                                |
|    | 040-043 | Pattern 10                               |
|    | 044-047 | Pattern 11                               |
|    | 048-051 | Pattern 12                               |
|    | 052-055 | Pattern 13                               |
|    | 056-059 | Pattern 14                               |
|    | 060-063 | Pattern 15                               |
|    | 064-067 | Pattern 16                               |
|    | 068-071 | Pattern 17                               |
|    | 072-075 | Pattern 18                               |
|    | 076-079 | Pattern 19                               |
|    | 080-083 | Pattern 20                               |
|    | 084-087 | Pattern 21                               |
|    | 088-091 | Pattern 22                               |
|    | 092-095 | Pattern 23                               |
|    | 096-099 | Pattern 24                               |
|    | 100-103 | Pattern 25                               |
|    | 104-107 | Pattern 26                               |
|    | 108-111 | Pattern 27                               |

|    |         |                                          |
|----|---------|------------------------------------------|
|    | 112-115 | Pattern 28                               |
|    | 116-119 | Pattern 29                               |
|    | 120-123 | Pattern 30                               |
|    | 124-127 | Pattern 31                               |
|    | 128-131 | Pattern 32                               |
|    | 132-135 | Pattern 33                               |
|    | 136-139 | Pattern 34                               |
|    | 140-143 | Pattern 35                               |
|    | 144-147 | Pattern 36                               |
|    | 148-151 | Pattern 37                               |
|    | 152-155 | Pattern 38                               |
|    | 156-159 | Pattern 39                               |
|    | 160-163 | Pattern 40                               |
|    | 164-167 | Pattern 41                               |
|    | 168-171 | Pattern 42                               |
|    | 172-175 | Pattern 43                               |
|    | 176-179 | Pattern 44                               |
|    | 180-183 | Pattern 45                               |
|    | 184-187 | Pattern 46                               |
|    | 188-191 | Pattern 47                               |
|    | 192-195 | Pattern 48                               |
|    | 196-199 | Pattern 49                               |
|    | 200-203 | Pattern 50                               |
|    | 204-207 | Pattern 51                               |
|    | 208-211 | Pattern 52                               |
|    | 212-215 | Pattern 53                               |
|    | 216-219 | Pattern 54                               |
|    | 220-223 | Pattern 55                               |
|    | 224-227 | Pattern 56                               |
|    | 228-231 | Pattern 57                               |
|    | 232-235 | Pattern 58                               |
|    | 236-239 | Pattern 59                               |
|    | 240-243 | Pattern 60                               |
|    | 244-247 | Random (Pattern 1-7)                     |
|    | 248-251 | Pattern 61                               |
|    | 252-255 | Open                                     |
| 16 |         | <b>PIXEL ROTATION</b>                    |
|    | 000-031 | Null                                     |
|    | 032-091 | Clockwise Rotation, Fast to Slow         |
|    | 092-101 | Null                                     |
|    | 102-161 | Counter-Clockwise Rotation, Slow to Fast |

|    |         |                      |
|----|---------|----------------------|
|    | 162-255 | Null                 |
| 17 | 000-079 | <b>FUNCTION</b>      |
|    | 080-089 | Null                 |
|    | 090-099 | Dimmer Speed: Smooth |
|    | 100-139 | Dimmer Speed: Fast   |
|    | 140-149 | Null                 |
|    | 150-159 | Pan/Tilt Reset       |
|    | 160-199 | Effect Reset         |
|    | 200-209 | Null                 |
|    | 210-255 | Reset All            |
|    |         | Null                 |

## 37 Channels (Mode 2):

| CHANNEL | VALUE   | FUNCTION                               |
|---------|---------|----------------------------------------|
| 1       | 000-255 | <b>PAN</b><br>0°→540°                  |
| 2       | 000-255 | <b>PAN FINE</b>                        |
| 3       | 000-255 | <b>TILT</b><br>0°→230°                 |
| 4       | 000-255 | <b>TILT FINE</b>                       |
| 5       | 000-255 | <b>ZOOM</b><br>Narrow→Wide             |
| 6       | 000-255 | <b>DIMMER</b><br>0%→100%               |
| 7       | 000-255 | <b>DIMMER FINE</b>                     |
| 8       | 000-007 | <b>STROBE</b><br>Close                 |
|         | 008-015 | Open                                   |
|         | 016-131 | Strobe from Slow to Fast               |
|         | 132-139 | Open                                   |
|         | 140-181 | Fast Close Slow Open from Slow to Fast |
|         | 182-189 | Open                                   |
|         | 190-231 | Fast Open Slow Close from Slow to Fast |
|         | 232-239 | Open                                   |
|         | 240-247 | Random Strobe from Slow to Fast        |
|         | 248-255 | Open                                   |
| 9       |         | <b>RED 1</b>                           |

|    |         |                           |
|----|---------|---------------------------|
|    | 000-255 | 0%→100%                   |
| 10 | 000-255 | <b>GREEN 1</b><br>0%→100% |
| 11 | 000-255 | <b>BLUE 1</b><br>0%→100%  |
| 12 | 000-255 | <b>WHITE 1</b><br>0%→100% |
| 13 | 000-255 | <b>RED 2</b><br>0%→100%   |
| 14 | 000-255 | <b>GREEN 2</b><br>0%→100% |
| 15 | 000-255 | <b>BLUE 2</b><br>0%→100%  |
| 16 | 000-255 | <b>WHITE 2</b><br>0%→100% |
| 17 | 000-255 | <b>RED 3</b><br>0%→100%   |
| 18 | 000-255 | <b>GREEN 3</b><br>0%→100% |
| 19 | 000-255 | <b>BLUE 3</b><br>0%→100%  |
| 20 | 000-255 | <b>WHITE 3</b><br>0%→100% |
| 21 | 000-255 | <b>RED 4</b><br>0%→100%   |
| 22 | 000-255 | <b>GREEN 4</b><br>0%→100% |
| 23 | 000-255 | <b>BLUE 4</b><br>0%→100%  |
| 24 | 000-255 | <b>WHITE 4</b><br>0%→100% |
| 25 | 000-255 | <b>RED 5</b><br>0%→100%   |
| 26 | 000-255 | <b>GREEN 5</b><br>0%→100% |
| 27 | 000-255 | <b>BLUE 5</b><br>0%→100%  |
| 28 |         | <b>WHITE 5</b>            |

|    |                                                                                                 |                                                                                                                                              |
|----|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|    | 000-255                                                                                         | 0%→100%                                                                                                                                      |
| 29 | 000-255                                                                                         | <b>RED 6</b><br>0%→100%                                                                                                                      |
| 30 | 000-255                                                                                         | <b>GREEN 6</b><br>0%→100%                                                                                                                    |
| 31 | 000-255                                                                                         | <b>BLUE 6</b><br>0%→100%                                                                                                                     |
| 32 | 000-255                                                                                         | <b>WHITE 6</b><br>0%→100%                                                                                                                    |
| 33 | 000-255                                                                                         | <b>RED 7</b><br>0%→100%                                                                                                                      |
| 34 | 000-255                                                                                         | <b>GREEN 7</b><br>0%→100%                                                                                                                    |
| 35 | 000-255                                                                                         | <b>BLUE 7</b><br>0%→100%                                                                                                                     |
| 36 | 000-255                                                                                         | <b>WHITE 7</b><br>0%→100%                                                                                                                    |
| 37 | 000-079<br>080-089<br>090-099<br>100-139<br>140-149<br>150-159<br>160-199<br>200-209<br>210-255 | <b>FUNCTION</b><br>Null<br>Dimmer Speed: Smooth<br>Dimmer Speed: Fast<br>Null<br>Pan/Tilt Reset<br>Effect Reset<br>Null<br>Reset All<br>Null |

## LED PIXEL SELECT FOR 17-CH:

|                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                         |                                                                                                         |                                                                                                         |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <br>Value: 0-3       | <br>Value: 4-7       | <br>Value: 8-11      | <br>Value: 12-15     | <br>Value: 16-19     | <br>Value: 20-23     | <br>Value: 24-27     | <br>Value: 28-31     |
| <br>Value: 32-35     | <br>Value: 36-39     | <br>Value: 40-43     | <br>Value: 44-47     | <br>Value: 48-51     | <br>Value: 52-55     | <br>Value: 56-59     | <br>Value: 60-63     |
| <br>Value: 64-67     | <br>Value: 68-71     | <br>Value: 72-75     | <br>Value: 76-79     | <br>Value: 80-83     | <br>Value: 84-87     | <br>Value: 88-91     | <br>Value: 92-95     |
| <br>Value: 96-99     | <br>Value: 100-103   | <br>Value: 104-107   | <br>Value: 108-111   | <br>Value: 112-115   | <br>Value: 116-119   | <br>Value: 120-123   | <br>Value: 124-127   |
| <br>Value: 128-131 | <br>Value: 132-135 | <br>Value: 136-139 | <br>Value: 140-143 | <br>Value: 144-147 | <br>Value: 148-151 | <br>Value: 152-155 | <br>Value: 156-159 |
| <br>Value: 160-163 | <br>Value: 164-167 | <br>Value: 168-171 | <br>Value: 172-175 | <br>Value: 176-179 | <br>Value: 180-183 | <br>Value: 184-187 | <br>Value: 188-191 |
| <br>Value: 192-195 | <br>Value: 196-199 | <br>Value: 200-203 | <br>Value: 204-207 | <br>Value: 208-211 | <br>Value: 212-215 | <br>Value: 216-219 | <br>Value: 220-223 |
| <br>Value: 224-227 | <br>Value: 228-231 | <br>Value: 232-235 | <br>Value: 236-239 | <br>Value: 240-243 | <br>Value: 244-247 | <br>Value: 248-251 | <br>Value: 252-255 |