

# Focus Beam LED

# DMX Modes & Values

| 16 Channels | 18 Channels | Values  | Functions                                                 |
|-------------|-------------|---------|-----------------------------------------------------------|
| 1           | 1           | 000-255 | <b>PAN MOVEMENT 8-BIT:</b><br>Pan Movement (0° - 630°)    |
|             | 2           | 000-255 | <b>PAN FINE 16-BIT:</b><br>Fine Control of Pan Movement   |
| 2           | 3           | 000-255 | <b>TILT MOVEMENT 8-BIT:</b><br>Tilt Movement (0° - 270°)  |
|             | 4           | 000-255 | <b>TILT FINE 16-BIT:</b><br>Fine Control of Tilt Movement |
| 3           | 5           |         | <b>COLOR WHEEL:</b>                                       |
|             |             | 000-004 | Open / White                                              |
|             |             | 005-011 | White + Red                                               |
|             |             | 012-018 | Red                                                       |
|             |             | 019-025 | Red + Light Blue                                          |
|             |             | 026-032 | Light Blue                                                |
|             |             | 033-039 | Light Blue + Green                                        |
|             |             | 040-046 | Green                                                     |
|             |             | 047-053 | Green + Yellow                                            |
|             |             | 054-060 | Yellow                                                    |
|             |             | 061-067 | Yellow + Orange                                           |
|             |             | 068-074 | Orange                                                    |
|             |             | 075-081 | Orange + Magenta                                          |
|             |             | 082-088 | Magenta                                                   |
|             |             | 089-095 | Magenta + Amber                                           |
|             |             | 096-102 | Amber                                                     |
|             |             | 103-109 | Amber + Lime                                              |
|             |             | 110-116 | Lime                                                      |
|             |             | 117-123 | Lime + Purple                                             |
|             |             | 124-130 | Purple                                                    |
|             |             | 131-137 | Purple + Pink                                             |
|             |             | 138-144 | Pink                                                      |
|             |             | 145-151 | Pink + Cyan                                               |
|             |             | 152-158 | Cyan                                                      |
|             |             | 159-165 | Cyan + CTO                                                |
|             |             | 166-172 | CTO                                                       |
|             |             | 173-179 | CTO + Blue                                                |
|             |             | 180-186 | Blue                                                      |
|             |             | 187-193 | Blue + White                                              |
|             |             | 194-220 | Clockwise Rotation Fast - Slow                            |
|             |             | 221-229 | Stop                                                      |
|             |             | 230-255 | Counter-Clockwise Rotation Slow - Fast                    |

**NOTE:** The Prism and Frost channels **CANNOT** be used at the same time. The Frost channel will override the Prism channel.

| 16 Channels | 18 Channels | Values  | Functions                                   |
|-------------|-------------|---------|---------------------------------------------|
| 4           | 6           |         | <b>GOBO WHEEL:</b>                          |
|             |             | 000-003 | Open                                        |
|             |             | 004-007 | Gobo 1                                      |
|             |             | 008-011 | Gobo 2                                      |
|             |             | 012-015 | Gobo 3                                      |
|             |             | 016-019 | Gobo 4                                      |
|             |             | 020-023 | Gobo 5                                      |
|             |             | 024-027 | Gobo 6                                      |
|             |             | 028-031 | Gobo 7                                      |
|             |             | 032-035 | Gobo 8                                      |
|             |             | 036-039 | Gobo 9                                      |
|             |             | 040-043 | Gobo 10                                     |
|             |             | 044-047 | Gobo 11                                     |
|             |             | 048-051 | Gobo 12                                     |
|             |             | 052-055 | Gobo 13                                     |
|             |             | 056-059 | Gobo 14                                     |
|             |             | 060-063 | Open                                        |
|             |             | 064-068 | Gobo 1 Shake                                |
|             |             | 069-072 | Gobo 2 Shake                                |
|             |             | 073-076 | Gobo 3 Shake                                |
|             |             | 077-080 | Gobo 4 Shake                                |
|             |             | 081-084 | Gobo 5 Shake                                |
|             |             | 085-089 | Gobo 6 Shake                                |
|             |             | 090-093 | Gobo 7 Shake                                |
|             |             | 094-097 | Gobo 8 Shake                                |
|             |             | 098-101 | Gobo 9 Shake                                |
|             |             | 102-105 | Gobo 10 Shake                               |
|             |             | 106-110 | Gobo 11 Shake                               |
|             |             | 111-114 | Gobo 12 Shake                               |
|             |             | 115-118 | Gobo 13 Shake                               |
|             |             | 119-122 | Gobo 14 Shake                               |
|             |             | 123-127 | Open Shake                                  |
|             |             | 128-189 | Counter-Clockwise Rotation Fast - Slow      |
|             |             | 190-193 | Stop                                        |
|             |             | 194-255 | Clockwise Rotation Slow - Fast              |
| 5           | 7           |         | <b>PRISM 1 (8 FACET CIRCULAR):</b>          |
|             |             | 000-007 | Close                                       |
|             |             | 008-255 | Open                                        |
| 6           | 8           |         | <b>ROTATING PRISM 1 (8 FACET CIRCULAR):</b> |
|             |             | 000-127 | Indexing                                    |
|             |             | 128-189 | Clockwise Rotation Fast - Slow              |
|             |             | 190-193 | Stop                                        |
|             |             | 194-255 | Counter-Clockwise Rotation Slow - Fast      |
| 7           | 9           |         | <b>PRISM 2 (6 FACET LINEAR):</b>            |
|             |             | 000-007 | Close                                       |
|             |             | 008-255 | Open                                        |
| 8           | 10          |         | <b>ROTATING PRISM 2 (6 FACET LINEAR):</b>   |
|             |             | 000-127 | Indexing                                    |
|             |             | 128-189 | Clockwise Rotation Fast - Slow              |
|             |             | 190-193 | Stop                                        |
|             |             | 194-255 | Counter-Clockwise Rotation Slow - Fast      |

| 16 Channels | 18 Channels | Values  | Functions                      |
|-------------|-------------|---------|--------------------------------|
| 9           | 11          |         | <b>SHUTTER &amp; STROBING:</b> |
|             |             | 000-031 | Close                          |
|             |             | 032-063 | Open                           |
|             |             | 064-095 | Strobing Slow - Fast           |
|             |             | 096-127 | Open                           |
|             |             | 128-159 | Pulsating Strobe               |
|             |             | 160-191 | Open                           |
|             |             | 192-223 | Random Strobing Slow - Fast    |
|             |             | 224-255 | Open                           |
| 10          | 12          |         | <b>MASTER DIMMER:</b>          |
|             |             | 000-255 | 0% - 100%                      |
| 11          | 13          |         | <b>DIMMER FINE:</b>            |
|             |             | 000-255 | 0% - 100%                      |
| 12          | 14          |         | <b>FOCUS:</b>                  |
|             |             | 000-255 | Linear Near - Far              |
| 13          | 15          |         | <b>FROST:</b>                  |
|             |             | 000-255 | 0% - 100%                      |
| 14          | 16          |         | <b>DIMMER MODES:</b>           |
|             |             | 000-020 | Standard                       |
|             |             | 021-040 | Stage                          |
|             |             | 041-060 | TV                             |
|             |             | 061-080 | Architectural                  |
|             |             | 081-100 | Theatre                        |
|             |             | 101-120 | Stage 2                        |
|             |             |         | <b>DIMMER DELAY TIME</b>       |
|             |             | 121     | 0.1Sec.                        |
|             |             | 122     | 0.2Sec.                        |
|             |             | 123     | 0.3Sec.                        |
|             |             | 124     | 0.4Sec.                        |
|             |             | 125     | 0.5Sec.                        |
|             |             | 126     | 0.6Sec.                        |
|             |             | 127     | 0.7Sec.                        |
|             |             | 128     | 0.8Sec.                        |
|             |             | 129     | 0.9Sec.                        |
|             |             | 130     | 1.0Sec.                        |
|             |             | 131     | 1.5Sec.                        |
|             |             | 132     | 2.0Sec.                        |
|             |             | 133     | 3.0Sec.                        |
|             |             | 134     | 4.0Sec.                        |
|             |             | 135     | 5.0Sec.                        |
|             |             | 136     | 6.0Sec.                        |
|             |             | 137     | 7.0Sec.                        |
|             |             | 138     | 8.0Sec.                        |
|             |             | 139     | 9.0Sec.                        |
|             |             | 140     | 10Sec.                         |
|             |             | 141-255 | Default to Unit Setting        |
| 15          | 17          |         | <b>PAN/TILT SPEED:</b>         |
|             |             | 000-255 | Fast - Slow                    |

| 16 Channels | 18 Channels | Values  | Functions                                        |
|-------------|-------------|---------|--------------------------------------------------|
| 16          | 18          |         | <b>LED REFRESH RATE &amp; SPECIAL FUNCTIONS:</b> |
|             |             | 000-010 | Default LED Refresh Rate 1200Hz                  |
|             |             | 011-078 | Refresh Rate (Hz)                                |
|             |             | 11      | 900                                              |
|             |             | 12      | 910                                              |
|             |             | 13      | 920                                              |
|             |             | 14      | 930                                              |
|             |             | 15      | 940                                              |
|             |             | 16      | 950                                              |
|             |             | 17      | 960                                              |
|             |             | 18      | 970                                              |
|             |             | 19      | 980                                              |
|             |             | 20      | 990                                              |
|             |             | 21      | 1000                                             |
|             |             | 22      | 1010                                             |
|             |             | 23      | 1020                                             |
|             |             | 24      | 1030                                             |
|             |             | 25      | 1040                                             |
|             |             | 26      | 1050                                             |
|             |             | 27      | 1060                                             |
|             |             | 28      | 1070                                             |
|             |             | 29      | 1080                                             |
|             |             | 30      | 1090                                             |
|             |             | 31      | 1100                                             |
|             |             | 32      | 1110                                             |
|             |             | 33      | 1120                                             |
|             |             | 34      | 1130                                             |
|             |             | 35      | 1140                                             |
|             |             | 36      | 1150                                             |
|             |             | 37      | 1160                                             |
|             |             | 38      | 1170                                             |
|             |             | 39      | 1180                                             |
|             |             | 40      | 1190                                             |
|             |             | 41      | 1210                                             |
|             |             | 42      | 1220                                             |
|             |             | 43      | 1230                                             |
|             |             | 44      | 1240                                             |
|             |             | 45      | 1250                                             |
|             |             | 46      | 1260                                             |
|             |             | 47      | 1270                                             |
|             |             | 48      | 1280                                             |
|             |             | 49      | 1290                                             |
|             |             | 50      | 1300                                             |
|             |             | 51      | 1310                                             |
|             |             | 52      | 1320                                             |
|             |             | 53      | 1330                                             |
|             |             | 54      | 1340                                             |
|             |             | 55      | 1350                                             |
|             |             | 56      | 1360                                             |
|             |             | 57      | 1370                                             |
|             |             | 58      | 1380                                             |
|             |             | 59      | 1390                                             |
|             |             | 60      | 1400                                             |

| 16 Channels                                                             | 18 Channels | Values  | Functions                               |
|-------------------------------------------------------------------------|-------------|---------|-----------------------------------------|
| 16                                                                      | 18          |         | LED REFRESH RATE & SPECIAL FUNCTIONS:   |
|                                                                         |             | 61      | 1410                                    |
|                                                                         |             | 62      | 1420                                    |
|                                                                         |             | 63      | 1430                                    |
|                                                                         |             | 64      | 1440                                    |
|                                                                         |             | 65      | 1450                                    |
|                                                                         |             | 66      | 1460                                    |
|                                                                         |             | 67      | 1470                                    |
|                                                                         |             | 68      | 1480                                    |
|                                                                         |             | 69      | 1490                                    |
|                                                                         |             | 70      | 1500                                    |
|                                                                         |             | 71      | 2500                                    |
|                                                                         |             | 72      | 4000                                    |
|                                                                         |             | 73      | 5000                                    |
|                                                                         |             | 74      | 6000                                    |
|                                                                         |             | 75      | 10,000                                  |
|                                                                         |             | 76      | 15,000                                  |
|                                                                         |             | 77      | 20,000                                  |
|                                                                         |             | 78      | 25,000                                  |
|                                                                         |             | 79      | Disable LED Refresh Rate                |
|                                                                         |             | 080-089 | Enable Blackout with Pan/Tilt Movement  |
|                                                                         |             | 090-099 | Disable Blackout with Pan/Tilt Movement |
|                                                                         |             | 100-109 | Enable Blackout with Color Change       |
|                                                                         |             | 110-119 | Disable Blackout with Color Change      |
|                                                                         |             | 120-129 | Enable Blackout with Gobo Change        |
|                                                                         |             | 130-139 | Disable Blackout with Gobo Change       |
|                                                                         |             | 140-149 | Pan/Tilt Reset                          |
|                                                                         |             | 150-159 | Focus Reset                             |
|                                                                         |             | 160-169 | Effect Reset                            |
|                                                                         |             | 170-179 | Shutter Reset                           |
|                                                                         |             | 180-189 | Internal Program 1 (Scenes 1-8)         |
|                                                                         |             | 190-199 | Internal Program 2 (Scenes 9-16)        |
|                                                                         |             | 200-209 | Internal Program 3 (Scenes 17-24)       |
|                                                                         |             | 210-219 | Internal Program 4 (Scenes 25-32)       |
|                                                                         |             | 220-229 | Internal Program 5 (Scenes 33-40)       |
|                                                                         |             | 230-239 | Internal Program 6 (Scenes 41-48)       |
|                                                                         |             | 240-249 | Internal Program 7 (Scenes 49-56)       |
|                                                                         |             | 250-255 | No Function                             |
| SOFTWARE UPDATE - DMX Values 250-255 Updated in Software Version ≥1.0.4 |             |         |                                         |
| 16                                                                      | 18          | 250-255 | Reset All                               |