

# ADJ FOCUS FLEX L7 - DMX TRAITS

| Basic | Standard | Ext. 3 | Ext. 5 | Ext. 7 | Std. CMY | Ext. CMY | Values  | Functions                                    |
|-------|----------|--------|--------|--------|----------|----------|---------|--|
| 1     | 1        | 1      | 1      | 1      | 1        | 1        | 000-255 | PAN 8bit 540/630 Degrees                     |
|       | 2        | 2      | 2      | 2      | 2        | 2        | 000-255 | PAN FINE 16bit                               |
| 2     | 3        | 3      | 3      | 3      | 3        | 3        | 000-255 | TILT 8bit 270 Degrees                        |
|       | 4        | 4      | 4      | 4      | 4        | 4        | 000-255 | TILT FINE 16bit                              |
| 3     | 5        |        |        |        |          |          | 000-255 | RED 0% - 100%                                |
| 4     | 6        |        |        |        |          |          | 000-255 | GREEN 0% - 100%                              |
| 5     | 7        |        |        |        |          |          | 000-255 | BLUE 0% - 100%                               |
| 6     | 8        |        |        |        |          |          | 000-255 | LIME 0% - 100%                               |
|       |          | 5      | 5      | 5      |          |          | 000-255 | RED 1 0% - 100%                              |
|       |          | 6      | 6      | 6      |          |          | 000-255 | GREEN 1 0% - 100%                            |
|       |          | 7      | 7      | 7      |          |          | 000-255 | BLUE 1 0% - 100%                             |
|       |          | 8      | 8      | 8      |          |          | 000-255 | LIME 1 0% - 100%                             |
|       |          | ...    | ...    | ...    |          |          | 000-255 | ...  |
|       |          | 13     | 21     | 29     |          |          | 000-255 | RED 7 0% - 100%                              |
|       |          | 14     | 22     | 30     |          |          | 000-255 | GREEN 7 0% - 100%                            |
|       |          | 15     | 23     | 31     |          |          | 000-255 | BLUE 7 0% - 100%                             |
|       |          | 16     | 24     | 32     |          |          | 000-255 | LIME 7 0% - 100%                             |
|       |          |        |        |        | 5        | 5        | 000-255 | CYAN (0-100% Cyan)                           |
|       |          |        |        |        |          | 6        | 000-255 | CYAN FINE                                    |
|       |          |        |        |        | 6        | 7        | 000-255 | MAGENTA (0-100% Magenta)                     |
|       |          |        |        |        |          | 8        | 000-255 | MAGENTA FINE                                 |
|       |          |        |        |        | 7        | 9        | 000-255 | YELLOW (0-100% Yellow)                       |
|       |          |        |        |        |          | 10       | 000-255 | YELLOW FINE                                  |
|       | 9        | 17     | 25     | 33     | 8        | 11       | 000-255 | COLOR TEMPERATURE LINEAR 2,700-10,000K       |
|       |          |        |        |        |          |          |         | COLOR TEMPERATURE PRESETS                    |
|       |          |        |        |        |          | 0        |         | No Function                                  |
| 7     | 10       | 18     | 26     | 34     | 9        | 12       | 001-060 | 2700K  |
|       |          |        |        |        |          |          | 061-179 | 3000K  |
|       |          |        |        |        |          |          | 180-201 | 3200K  |
|       |          |        |        |        |          |          | 202-207 | 4000K  |
|       |          |        |        |        |          |          | 208-229 | 4500K  |
|       |          |        |        |        |          |          | 230-234 | 5000K  |
|       |          |        |        |        |          |          | 235-239 | 5600K  |
|       |          |        |        |        |          |          | 240-244 | 6500K  |
|       |          |        |        |        |          |          | 245-249 | 8000K  |
|       |          |        |        |        |          |          | 250-255 | 10000K                                       |
|       |          |        |        |        |          |          |         | VIRTUAL FOREGROUND COLOR WHEEL               |
|       |          |        |        |        |          | 0        |         | Open   |
|       |          |        |        |        |          |          | 001-060 | Virtual Swatch Colors (See Colors Tab)       |
|       |          |        |        |        |          |          | 061-179 | Open   |
|       |          |        |        |        |          |          | 180-201 | Color Scroll Clockwise, Fast -> slow         |
|       |          |        |        |        |          |          | 202-207 | Stop   |
|       |          |        |        |        |          |          | 208-229 | Color Scroll Counter-clockwise, Slow -> fast |
|       |          |        |        |        |          |          | 230-234 | Open   |
|       |          |        |        |        |          |          | 235-239 | Random Slots Fast                            |
|       |          |        |        |        |          |          | 240-244 | Random Slots Medium                          |
|       |          |        |        |        |          |          | 245-249 | Random Slots Slow                            |
|       |          |        |        |        |          |          | 250-255 | Open   |
|       |          |        |        |        |          |          |         | VIRTUAL BACKGROUND COLOR WHEEL               |
|       |          |        |        |        |          | 0        |         | Open   |
|       |          |        |        |        |          |          | 001-060 | Virtual Swatch Colors (See Colors Tab)       |
|       |          |        |        |        |          |          | 061-179 | Open   |
|       |          |        |        |        |          |          | 180-201 | Color Scroll Clockwise, Fast □ slow          |
|       |          |        |        |        |          |          | 202-207 | Stop   |
|       |          |        |        |        |          |          | 208-229 | Color Scroll Counter-clockwise, Slow □ fast  |
|       |          |        |        |        |          |          | 230-234 | Open   |
|       |          |        |        |        |          |          | 235-239 | Random Slots Fast                            |
|       |          |        |        |        |          |          | 240-244 | Random Slots Medium                          |
|       |          |        |        |        |          |          | 245-249 | Random Slots Slow                            |
|       |          |        |        |        |          |          | 250-255 | Open   |

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|       |          | 21     | 29     | 37     | 12       | 15       |         | <b>COLOR TEMPERATURE RED to GREEN</b>                  |
|       |          |        |        |        |          |          | 0       | No Function  |
|       |          |        |        |        |          |          | 001-255 | Shift CT Red to Green                                  |
| 8     | 13       | 22     | 30     | 38     | 13       | 16       | 000-255 | <b>64 COLOR MACROS (See Color Macros Chart pg. 11)</b> |
|       |          |        |        |        |          |          |         | <b>SHUTTER</b>   |
|       |          |        |        |        |          |          | 000-031 | Shutter Closed (LEDs OFF)                              |
|       |          |        |        |        |          |          | 032-063 | Shutter OPEN (LEDs ON)                                 |
|       |          |        |        |        |          |          | 064-095 | Strobe effect slow to fast                             |
|       |          |        |        |        |          |          | 096-127 | Shutter OPEN (LEDs ON)                                 |
|       |          |        |        |        |          |          | 128-159 | Pulse effect in sequences                              |
|       |          |        |        |        |          |          | 160-191 | Shutter OPEN (LEDs ON)                                 |
|       |          |        |        |        |          |          | 192-223 | Random strobe effect slow to fast                      |
|       |          |        |        |        |          |          | 224-255 | Shutter OPEN (LEDs ON)                                 |
|       |          |        |        |        |          |          | 248-255 | Open   |
| 10    | 15       | 24     | 32     | 40     | 15       | 18       | 000-255 | <b>DIMMER 0 to 100%</b>                                |
|       | 16       | 25     | 33     | 41     | 16       | 19       | 000-255 | <b>DIMMER FINE 16bit</b>                               |
| 11    | 17       | 26     | 34     | 42     | 17       | 20       | 000-255 | <b>ZOOM</b> Zoom adjustment from wide to narrow        |
|       | 18       | 27     | 35     | 43     | 18       | 21       | 000-255 | <b>ZOOM FINE 16bit</b>                                 |
|       |          |        |        |        |          |          |         | <b>DIM MODES</b>                                       |
|       |          |        |        |        |          |          | 000-020 | Default to Unit Setting                                |
|       |          |        |        |        |          |          | 021-040 | Standard   |
|       |          |        |        |        |          |          | 041-060 | Stage  |
|       |          |        |        |        |          |          | 061-080 | TV   |
|       |          |        |        |        |          |          | 081-100 | Architectural  |
|       |          |        |        |        |          |          | 101-120 | Theatre  |
|       |          |        |        |        |          |          | 121-140 | Stage 2  |
|       |          |        |        |        |          |          |         | <b>DIMMING SPEED</b>                                   |
|       |          |        |        |        |          |          | 141     | 0.1 s  |
|       |          |        |        |        |          |          | 142     | 0.2 s  |
|       |          |        |        |        |          |          | 143     | 0.3 s  |
|       |          |        |        |        |          |          | 144     | 0.4 s  |
|       |          |        |        |        |          |          | 145     | 0.5 s  |
|       |          |        |        |        |          |          | 146     | 0.6 s  |
|       |          |        |        |        |          |          | 147     | 0.7 s  |
|       |          |        |        |        |          |          | 148     | 0.8 s  |
|       |          |        |        |        |          |          | 149     | 0.9 s  |
|       |          |        |        |        |          |          | 150     | 1 s  |
|       |          |        |        |        |          |          | 151     | 1.5 s  |
|       |          |        |        |        |          |          | 152     | 2 s  |
|       |          |        |        |        |          |          | 153     | 3 s  |
|       |          |        |        |        |          |          | 154     | 4 s  |
|       |          |        |        |        |          |          | 155     | 5 s  |
|       |          |        |        |        |          |          | 156     | 6 s  |
|       |          |        |        |        |          |          | 157     | 7 s  |
|       |          |        |        |        |          |          | 158     | 8 s  |
|       |          |        |        |        |          |          | 159     | 9 s  |
|       |          |        |        |        |          |          | 160     | 10 s   |
|       |          |        |        |        |          |          | 161-255 | Default to Unit Setting                                |
|       |          |        |        |        |          |          |         | <b>DIM CURVES</b>                                      |
|       |          |        |        |        |          |          | 000-020 | Square   |
|       |          |        |        |        |          |          | 021-040 | Linear   |
|       |          |        |        |        |          |          | 041-060 | Inv. Squa  |
|       |          |        |        |        |          |          | 061-080 | S. Curve   |
|       |          |        |        |        |          |          | 081-255 | No Function  |

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|---------|--------------------------|--------|--------|--------|----------|----------|---------|--|
| 12      | 21                       | 30     | 38     | 46     | 21       | 24       |         | <b>INTERNAL PROGRAMS</b>                       |
|         |                          |        |        |        |          |          | 000-009 | No Function                                    |
|         |                          |        |        |        |          |          | 010-019 | Program 1                                      |
|         |                          |        |        |        |          |          | 020-029 | Program 2                                      |
|         |                          |        |        |        |          |          | 030-039 | Program 3                                      |
|         |                          |        |        |        |          |          | 040-049 | Program 4                                      |
|         |                          |        |        |        |          |          | 050-059 | Program 5                                      |
|         |                          |        |        |        |          |          | 060-069 | Program 6                                      |
|         |                          |        |        |        |          |          | 070-079 | Program 7                                      |
|         |                          |        |        |        |          |          | 080-089 | Program 8                                      |
|         |                          |        |        |        |          |          | 090-099 | Program 9                                      |
|         |                          |        |        |        |          |          | 100-109 | Program 10                                     |
|         |                          |        |        |        |          |          | 110-119 | Program 11                                     |
|         |                          |        |        |        |          |          | 120-129 | Program 12                                     |
|         |                          |        |        |        |          |          | 130-139 | Program 13                                     |
|         |                          |        |        |        |          |          | 140-149 | Program 14                                     |
|         |                          |        |        |        |          |          | 150-159 | Program 15                                     |
|         |                          |        |        |        |          |          | 160-169 | Program 16                                     |
|         |                          |        |        |        |          |          | 170-179 | Program 17                                     |
|         |                          |        |        |        |          |          | 180-189 | Program 18                                     |
|         |                          |        |        |        |          |          | 190-199 | Program 19                                     |
| 200-209 | Program 20               |        |        |        |          |          |         |  |
| 210-255 | No Function              |        |        |        |          |          |         |  |
| 13      | 22                       | 31     | 39     | 47     | 22       | 25       | 000-255 | <b>PROGRAM SPEED</b> Slow -> Fast              |
| 14      | 23                       | 32     | 40     | 48     | 23       | 26       | 000-255 | <b>PROGRAM FADE</b> Min. to Max.               |
| 15      | 24                       | 33     | 41     | 49     | 24       | 27       | 000-255 | <b>PAN / TILT SPEED</b> Max. to Min.           |
| 16      | 25                       | 34     | 42     | 50     | 25       | 28       |         | <b>SPECIAL FUNCTION</b>                        |
|         |                          |        |        |        |          |          | 000-010 | No function (Default LED Refresh Rate 1200 Hz) |
|         |                          |        |        |        |          |          | 011-011 | 900 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 012-012 | 910 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 013-013 | 920 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 014-014 | 930 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 015-015 | 940 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 016-016 | 950 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 017-017 | 960 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 018-018 | 970 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 019-019 | 980 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 020-020 | 990 Hz LED Refresh Rate                        |
|         |                          |        |        |        |          |          | 021-021 | 1000 Hz LED Refresh Rate                       |
|         |                          |        |        |        |          |          | 022-022 | 1010 Hz LED Refresh Rate                       |
|         |                          |        |        |        |          |          | 023-023 | 1020 Hz LED Refresh Rate                       |
|         |                          |        |        |        |          |          | 024-024 | 1030 Hz LED Refresh Rate                       |
|         |                          |        |        |        |          |          | 025-025 | 1040 Hz LED Refresh Rate                       |
|         |                          |        |        |        |          |          | 026-026 | 1050 Hz LED Refresh Rate                       |
|         |                          |        |        |        |          |          | 027-027 | 1060 Hz LED Refresh Rate                       |
|         |                          |        |        |        |          |          | 028-028 | 1070 Hz LED Refresh Rate                       |
|         |                          |        |        |        |          |          | 029-029 | 1080 Hz LED Refresh Rate                       |
| 030-030 | 1090 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 031-031 | 1100 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 032-032 | 1110 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 033-033 | 1120 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 034-034 | 1130 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 035-035 | 1140 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 036-036 | 1150 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 037-037 | 1160 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 038-038 | 1170 Hz LED Refresh Rate |        |        |        |          |          |         |  |
| 039-039 | 1180 Hz LED Refresh Rate |        |        |        |          |          |         |  |

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|-------|----------|--------|--------|--------|----------|----------|---------|--|
|       |          |        |        |        |          |          |         | <b>SPECIAL FUNCTION</b> (continued)    |
|       |          |        |        |        |          |          | 040-040 | 1190 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 041-041 | 1210 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 042-042 | 1220 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 043-043 | 1230 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 044-044 | 1240 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 045-045 | 1250 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 046-046 | 1260 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 047-047 | 1270 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 048-048 | 1280 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 049-049 | 1290 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 050-050 | 1300 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 051-051 | 1310 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 052-052 | 1320 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 053-053 | 1330 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 054-054 | 1340 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 055-055 | 1350 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 056-056 | 1360 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 057-057 | 1370 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 058-058 | 1380 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 059-059 | 1390 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 060-060 | 1400 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 061-061 | 1410 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 062-062 | 1420 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 063-063 | 1430 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 064-064 | 1440 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 065-065 | 1450 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 066-066 | 1460 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 067-067 | 1470 Hz LED Refresh Rate               |
| 16    | 25       | 34     | 42     | 50     | 25       | 28       | 068-068 | 1480 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 069-069 | 1490 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 070-070 | 1500 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 071-071 | 2500 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 072-072 | 4000 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 073-073 | 5000 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 074-074 | 6000 Hz LED Refresh Rate               |
|       |          |        |        |        |          |          | 075-075 | 10K Hz LED Refresh Rate                |
|       |          |        |        |        |          |          | 076-076 | 15K Hz LED Refresh Rate                |
|       |          |        |        |        |          |          | 077-077 | 20K Hz LED Refresh Rate                |
|       |          |        |        |        |          |          | 078-078 | 25K Hz LED Refresh Rate                |
|       |          |        |        |        |          |          | 079-079 | No Function                            |
|       |          |        |        |        |          |          | 080-089 | Enable Blackout while Pan/Tilt moving  |
|       |          |        |        |        |          |          | 090-099 | Disable Blackout while Pan/Tilt moving |
|       |          |        |        |        |          |          | 100-105 | Fan Mode Low (Hold 3s)                 |
|       |          |        |        |        |          |          | 106-111 | Fan Mode High (Hold 3s)                |
|       |          |        |        |        |          |          | 112-117 | Fan Mode Auto (Hold 3s)                |
|       |          |        |        |        |          |          | 118-122 | Enable Pan Invert (Hold 3s)            |
|       |          |        |        |        |          |          | 123-127 | Disable Pan Invert (Hold 3s)           |
|       |          |        |        |        |          |          | 128-132 | Enable Tilt Invert (Hold 3s)           |
|       |          |        |        |        |          |          | 133-139 | Disable Tilt Invert (Hold 3s)          |
|       |          |        |        |        |          |          | 140-149 | Reset All                              |
|       |          |        |        |        |          |          | 150-159 | Reset Pan/Tilt                         |
|       |          |        |        |        |          |          | 160-169 | Reset Effect                           |
|       |          |        |        |        |          |          | 170-174 | Enable Zoom Speed Fast                 |
|       |          |        |        |        |          |          | 175-179 | Disable Zoom Speed Fast                |
|       |          |        |        |        |          |          | 180-182 | Enable Lime Calibration (Hold 3s)      |
|       |          |        |        |        |          |          | 183-185 | Enable Lime Fixed Values (Hold 3s)     |
|       |          |        |        |        |          |          | 186-189 | Fan Mode Mute (Hold 3s)                |
|       |          |        |        |        |          |          | 190-255 | No Function                            |