

17/21/86 Channels:

| CHANNEL | | | VALUE | FUNCTION |
|---------|------|------|--|--|
| 17ch | 21ch | 86ch | | |
| 1 | 1 | 1 | 000-255 | PAN 0°→540° |
| 2 | 2 | 2 | 000-255 | PAN FINE |
| 3 | 3 | 3 | 000-255 | TILT 0°→220° |
| 4 | 4 | 4 | 000-255 | TILT FINE |
| | | 5 | 000-255 | PAN/TILT SPEED Fast to Slow |
| 5 | 5 | 6 | 000-255 | ZOOM Narrow→Wide |
| 9 | 9 | 7 | 000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255 | STROBE Close Open Strobe from Slow to Fast Open Fast Close Slow Open, Slow to Fast Open Fast Open Slow Close, Slow to Fast Open Random Strobe from Slow to Fast Open |
| 7 | 7 | 8 | 000-255 | DIMMER 0%→100% |
| 8 | 8 | 9 | 000-255 | DIMMER FINE |
| 10 | | | 000-255 | RED 0%→100% |
| 11 | | | 000-255 | GREEN 0%→100% |
| 12 | | | 000-255 | BLUE 0%→100% |
| 13 | | | 000-255 | WHITE 0%→100% |
| | 10 | 10 | 000-255 | RED 1 0%→100% |

| | | | | |
|--|----|----|---------|---------------------------|
| | 11 | 11 | 000-255 | GREEN 1 0%→100% |
| | 12 | 12 | 000-255 | BLUE 1 0%→100% |
| | 13 | 13 | 000-255 | WHITE 1 0%→100% |
| | 14 | 14 | 000-255 | RED 2 0%→100% |
| | 15 | 15 | 000-255 | GREEN 2 0%→100% |
| | 16 | 16 | 000-255 | BLUE 2 0%→100% |
| | 17 | 17 | 000-255 | WHITE 2 0%→100% |
| | 18 | 18 | 000-255 | RED 3 0%→100% |
| | 19 | 19 | 000-255 | GREEN 3 0%→100% |
| | 20 | 20 | 000-255 | BLUE 3 0%→100% |
| | 21 | 21 | 000-255 | WHITE 3 0%→100% |
| | | 22 | 000-255 | RED 4 0%→100% |
| | | 23 | 000-255 | GREEN 4 0%→100% |
| | | 24 | 000-255 | BLUE 4 0%→100% |
| | | 25 | 000-255 | WHITE 4 0%→100% |
| | | 26 | 000-255 | RED 5 0%→100% |
| | | 27 | 000-255 | GREEN 5 0%→100% |
| | | 28 | 000-255 | BLUE 5 0%→100% |
| | | 29 | 000-255 | WHITE 5 0%→100% |

| | | | | |
|--|--|----|---------|----------------------------|
| | | 30 | 000-255 | RED 6 0%→100% |
| | | 31 | 000-255 | GREEN 6 0%→100% |
| | | 32 | 000-255 | BLUE 6 0%→100% |
| | | 33 | 000-255 | WHITE 6 0%→100% |
| | | 34 | 000-255 | RED 7 0%→100% |
| | | 35 | 000-255 | GREEN 7 0%→100% |
| | | 36 | 000-255 | BLUE 7 0%→100% |
| | | 37 | 000-255 | WHITE 7 0%→100% |
| | | 38 | 000-255 | RED 8 0%→100% |
| | | 39 | 000-255 | GREEN 8 0%→100% |
| | | 40 | 000-255 | BLUE 8 0%→100% |
| | | 41 | 000-255 | WHITE 8 0%→100% |
| | | 42 | 000-255 | RED 9 0%→100% |
| | | 43 | 000-255 | GREEN 9 0%→100% |
| | | 44 | 000-255 | BLUE 9 0%→100% |
| | | 45 | 000-255 | WHITE 9 0%→100% |
| | | 46 | 000-255 | RED 10 0%→100% |
| | | 47 | 000-255 | GREEN 10 0%→100% |
| | | 48 | 000-255 | BLUE 10 0%→100% |

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|--|--|----|---------|----------------------------|
| | | 49 | 000-255 | WHITE 10 0%→100% |
| | | 50 | 000-255 | RED 11 0%→100% |
| | | 51 | 000-255 | GREEN 11 0%→100% |
| | | 52 | 000-255 | BLUE 11 0%→100% |
| | | 53 | 000-255 | WHITE 11 0%→100% |
| | | 54 | 000-255 | RED 12 0%→100% |
| | | 55 | 000-255 | GREEN 12 0%→100% |
| | | 56 | 000-255 | BLUE 12 0%→100% |
| | | 57 | 000-255 | WHITE 12 0%→100% |
| | | 58 | 000-255 | RED 13 0%→100% |
| | | 59 | 000-255 | GREEN 13 0%→100% |
| | | 60 | 000-255 | BLUE 13 0%→100% |
| | | 61 | 000-255 | WHITE 13 0%→100% |
| | | 62 | 000-255 | RED 14 0%→100% |
| | | 63 | 000-255 | GREEN 14 0%→100% |
| | | 64 | 000-255 | BLUE 14 0%→100% |
| | | 65 | 000-255 | WHITE 14 0%→100% |
| | | 66 | 000-255 | RED 15 0%→100% |
| | | 67 | 000-255 | GREEN 15 0%→100% |

| | | | | |
|----|--|----|---------|----------------------------------|
| | | 68 | 000-255 | BLUE 15 0%→100% |
| | | 69 | 000-255 | WHITE 15 0%→100% |
| | | 70 | 000-255 | RED 16 0%→100% |
| | | 71 | 000-255 | GREEN 16 0%→100% |
| | | 72 | 000-255 | BLUE 16 0%→100% |
| | | 73 | 000-255 | WHITE 16 0%→100% |
| | | 74 | 000-255 | RED 17 0%→100% |
| | | 75 | 000-255 | GREEN 17 0%→100% |
| | | 76 | 000-255 | BLUE 17 0%→100% |
| | | 77 | 000-255 | WHITE 17 0%→100% |
| | | 78 | 000-255 | RED 18 0%→100% |
| | | 79 | 000-255 | GREEN 18 0%→100% |
| | | 80 | 000-255 | BLUE 18 0%→100% |
| | | 81 | 000-255 | WHITE 18 0%→100% |
| | | 82 | 000-255 | RED 19 0%→100% |
| | | 83 | 000-255 | GREEN 19 0%→100% |
| | | 84 | 000-255 | BLUE 19 0%→100% |
| | | 85 | 000-255 | WHITE 19 0%→100% |
| 14 | | | 000 | CTO (8000K-2500K) Null |

| | | | |
|--|--|---------|-------|
| | | 001-004 | 8000K |
| | | 005-009 | 7900K |
| | | 010-013 | 7800K |
| | | 014-018 | 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 |
| | | | 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 |
| | | | | COLOR MACRO |
| | | | 000-007 | Null |
| | | | 008-011 | Color1 |
| | | | 012-015 | Color2 |
| | | | 016-019 | Color3 |
| | | | 020-023 | Color4 |
| | | | 024-027 | Color5 |
| | | | 028-031 | Color6 |
| | | | 032-035 | Color7 |
| | | | 036-039 | Color8 |
| | | | 040-043 | Color9 |
| | | | 044-047 | Color10 |
| | | | 048-051 | Color11 |
| | | | 052-055 | Color12 |
| | | | 056-059 | Color13 |
| | | | 060-063 | Color14 |
| | | | 064-067 | Color15 |
| | | | 068-071 | Color16 |
| | | | 072-075 | Color17 |
| | | | 076-079 | Color18 |
| | | | 080-083 | Color19 |
| | | | 084-087 | Color20 |
| | | | 088-091 | Color21 |
| | | | 092-095 | Color22 |
| | | | 096-099 | Color23 |
| | | | 100-103 | Color24 |

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|----|---|----|--|--|
| | | | 104-107 108-111 112-115 116-119 120-123 124-127 128-131 132-135 136-165 166-195 196-205 206-215 216-225 226-235 236-245 246-255 | Color25 Color26 Color27 Color28 Color29 Color30 Color31 Color32 Rotate CW Fast to Slow Rotate CCW Slow to Fast Red→Green Red→Blue Red→White Green→Blue Green→White Blue→White |
| 16 | | | 000 001 002-245 246 247 248 249 250 251-255 | PIXEL (See "Pixel of 16 CH" in detail) No Function Open Pattern1-244 Built-in Mode1 Built-in Mode2 Built-in Mode3 Random One Pixel Random Two Pixels Open |
| 17 | | | 000-031 032-091 092-101 102-161 162-255 | PIXEL ROTATION Null Rotate CW Fast to Slow Null Rotate CCW Slow to Fast Null |
| 6 | 6 | 86 | 000-009 010-019 020-029 030-039 040-049 050-059 060-069 070-079 | FUNCTION No Function Zoom Mode: Long Zoom Mode: Short Dimmer Curve Linear Dimmer Curve Square Law Dimmer Curve Inv SQ Law Dimmer Curve S No Function |

| | | | |
|--|--|---------|-------------------------------|
| | | 080-089 | No Function |
| | | 090-099 | No Function |
| | | 100-109 | Led Frequency Setting Enable |
| | | 110-119 | Led Frequency Setting Disable |
| | | 120-129 | No Function |
| | | 130-139 | No Function |
| | | 140-149 | Pan/Tilt Reset |
| | | 150-159 | Effect Reset |
| | | 160-169 | Color Calibration: On |
| | | 170-179 | Color Calibration: Off |
| | | 180-189 | Calibration Mode: High CRI |
| | | 190-199 | Calibration Mode: High Output |
| | | 200-209 | All Reset |
| | | 210-219 | Dimmer Speed Fast |
| | | 220-229 | Dimmer Speed Smooth |
| | | 230-239 | No Function |
| | | 240-245 | Cooling Mode: Quiet |
| | | 246-251 | Cooling Mode: Standard |
| | | 252-255 | No Function |

10+ Channels (Mode 4):

| CHANNEL | VALUE | FUNCTION |
|--------------------------|--|---|
| Controlled by DMX | | |
| 1 | 000-255 | PAN 0°→540° |
| 2 | 000-255 | PAN FINE |
| 3 | 000-255 | TILT 0°→220° |
| 4 | 000-255 | TILT FINE |
| 5 | 000-255 | PAN/TILT SPEED Fast to Slow |
| 6 | 000-255 | ZOOM Narrow→Wide |
| 7 | 000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255 | STROBE Close Open Strobe from Slow to Fast Open Fast Close Slow Open, Slow to Fast Open Fast Open Slow Close, Slow to Fast Open Random Strobe from Slow to Fast Open |
| 8 | 000-255 | DIMMER 0%→100% |
| 9 | 000-255 | DIMMER FINE |
| 10 | 000-009 010-019 020-029 030-039 040-049 050-059 060-069 070-079 080-089 090-099 | FUNCTION No Function Zoom Mode: Long Zoom Mode: Short Dimmer Curve Linear Dimmer Curve Square Law Dimmer Curve Inv SQ Law Dimmer Curve S No Function No Function No Function |

| | | |
|--|---------|-------------------------------|
| | 100-109 | Led Frequency Setting Enable |
| | 110-119 | Led Frequency Setting Disable |
| | 120-129 | No Function |
| | 130-139 | No Function |
| | 140-149 | Pan/Tilt Reset |
| | 150-159 | Effect Reset |
| | 160-169 | Color Calibration: On |
| | 170-179 | Color Calibration: Off |
| | 180-189 | Calibration Mode: High CRI |
| | 190-199 | Calibration Mode: High Output |
| | 200-209 | All Reset |
| | 210-219 | Dimmer Speed Fast |
| | 220-229 | Dimmer Speed Smooth |
| | 230-239 | No Function |
| | 240-245 | Cooling Mode: Quiet |
| | 246-251 | Cooling Mode: Standard |
| | 252-255 | No Function |

Controlled by Art-Net

| | | |
|-----------|---------|---------------------------|
| 1 | 000-255 | RED 1 0%→100% |
| 2 | 000-255 | GREEN 1 0%→100% |
| 3 | 000-255 | BLUE 1 0%→100% |
| 4 | 000-255 | WHITE 1 0%→100% |
| 5 | 000-255 | RED 2 0%→100% |
| 6 | 000-255 | GREEN 2 0%→100% |
| 7 | 000-255 | BLUE 2 0%→100% |
| 8 | 000-255 | WHITE 2 0%→100% |
| 9 | 000-255 | RED 3 0%→100% |
| 10 | 000-255 | GREEN 3 0%→100% |
| 11 | | BLUE 3 |

| | | |
|----|---------|---------------------------|
| | 000-255 | 0%→100% |
| 12 | 000-255 | WHITE 3 0%→100% |
| 13 | 000-255 | RED 4 0%→100% |
| 14 | 000-255 | GREEN 4 0%→100% |
| 15 | 000-255 | BLUE 4 0%→100% |
| 16 | 000-255 | WHITE 4 0%→100% |
| 17 | 000-255 | RED 5 0%→100% |
| 18 | 000-255 | GREEN 5 0%→100% |
| 19 | 000-255 | BLUE 5 0%→100% |
| 20 | 000-255 | WHITE 5 0%→100% |
| 21 | 000-255 | RED 6 0%→100% |
| 22 | 000-255 | GREEN 6 0%→100% |
| 23 | 000-255 | BLUE 6 0%→100% |
| 24 | 000-255 | WHITE 6 0%→100% |
| 25 | 000-255 | RED 7 0%→100% |
| 26 | 000-255 | GREEN 7 0%→100% |
| 27 | 000-255 | BLUE 7 0%→100% |
| 28 | 000-255 | WHITE 7 0%→100% |
| 29 | 000-255 | RED 8 0%→100% |
| 30 | | GREEN 8 |

























































































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|----|---------|----------------------------|
| | 000-255 | 0%→100% |
| 31 | 000-255 | BLUE 8 0%→100% |
| 32 | 000-255 | WHITE 8 0%→100% |
| 33 | 000-255 | RED 9 0%→100% |
| 34 | 000-255 | GREEN 9 0%→100% |
| 35 | 000-255 | BLUE 9 0%→100% |
| 36 | 000-255 | WHITE 9 0%→100% |
| 37 | 000-255 | RED 10 0%→100% |
| 38 | 000-255 | GREEN 10 0%→100% |
| 39 | 000-255 | BLUE 10 0%→100% |
| 40 | 000-255 | WHITE 10 0%→100% |
| 41 | 000-255 | RED 11 0%→100% |
| 42 | 000-255 | GREEN 11 0%→100% |
| 43 | 000-255 | BLUE 11 0%→100% |
| 44 | 000-255 | WHITE 11 0%→100% |
| 45 | 000-255 | RED 12 0%→100% |
| 46 | 000-255 | GREEN 12 0%→100% |
| 47 | 000-255 | BLUE 12 0%→100% |
| 48 | 000-255 | WHITE 12 0%→100% |
| 49 | | RED 13 |

| | | |
|----|---------|----------------------------|
| | 000-255 | 0%→100% |
| 50 | 000-255 | GREEN 13 0%→100% |
| 51 | 000-255 | BLUE 13 0%→100% |
| 52 | 000-255 | WHITE 13 0%→100% |
| 53 | 000-255 | RED 14 0%→100% |
| 54 | 000-255 | GREEN 14 0%→100% |
| 55 | 000-255 | BLUE 14 0%→100% |
| 56 | 000-255 | WHITE 14 0%→100% |
| 57 | 000-255 | RED 15 0%→100% |
| 58 | 000-255 | GREEN 15 0%→100% |
| 59 | 000-255 | BLUE 15 0%→100% |
| 60 | 000-255 | WHITE 15 0%→100% |
| 61 | 000-255 | RED 16 0%→100% |
| 62 | 000-255 | GREEN 16 0%→100% |
| 63 | 000-255 | BLUE 16 0%→100% |
| 64 | 000-255 | WHITE 16 0%→100% |
| 65 | 000-255 | RED 17 0%→100% |
| 66 | 000-255 | GREEN 17 0%→100% |
| 67 | 000-255 | BLUE 17 0%→100% |
| 68 | | WHITE 17 |

| | | |
|----|---------|----------------------------|
| | 000-255 | 0%→100% |
| 69 | 000-255 | RED 18 0%→100% |
| 70 | 000-255 | GREEN 18 0%→100% |
| 71 | 000-255 | BLUE 18 0%→100% |
| 72 | 000-255 | WHITE 18 0%→100% |
| 73 | 000-255 | RED 19 0%→100% |
| 74 | 000-255 | GREEN 19 0%→100% |
| 75 | 000-255 | BLUE 19 0%→100% |
| 76 | 000-255 | WHITE 19 0%→100% |

Pixel of 16 CH:

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| | | | | | | | |
|---|---|---|---|---|--|---|---|
|  Value: 088 |  Value: 089 |  Value: 090 |  Value: 091 |  Value: 092 |  Value: 093 |  Value: 094 |  Value: 095 |
|  Value: 096 |  Value: 097 |  Value: 098 |  Value: 099 |  Value: 100 |  Value: 101 |  Value: 102 |  Value: 103 |
|  Value: 104 |  Value: 105 |  Value: 106 |  Value: 107 |  Value: 108 |  Value: 109 |  Value: 110 |  Value: 111 |
|  Value: 112 |  Value: 113 |  Value: 114 |  Value: 115 |  Value: 116 |  Value: 117 |  Value: 118 |  Value: 119 |
|  Value: 120 |  Value: 121 |  Value: 122 |  Value: 123 |  Value: 124 |  Value: 125 |  Value: 126 |  Value: 127 |
|  Value: 128 |  Value: 129 |  Value: 130 |  Value: 131 |  Value: 132 |  Value: 133 |  Value: 134 |  Value: 135 |
|  Value: 136 |  Value: 137 |  Value: 138 |  Value: 139 |  Value: 140 |  Value: 141 |  Value: 142 |  Value: 143 |
|  Value: 144 |  Value: 145 |  Value: 146 |  Value: 147 |  Value: 148 |  Value: 149 |  Value: 150 |  Value: 151 |
|  Value: 152 |  Value: 153 |  Value: 154 |  Value: 155 |  Value: 156 |  Value: 157 |  Value: 158 |  Value: 159 |
|  Value: 160 |  Value: 161 |  Value: 162 |  Value: 163 |  Value: 164 |  Value: 165 |  Value: 166 |  Value: 167 |
|  Value: 168 |  Value: 169 |  Value: 170 |  Value: 171 |  Value: 172 |  Value: 173 |  Value: 174 |  Value: 175 |

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|------------|------------|------------|-------------------------|---------------------|----------------|------------|------------|
| Value: 176 | Value: 177 | Value: 178 | Value: 179 | Value: 180 | Value: 181 | Value: 182 | Value: 183 |
| Value: 184 | Value: 185 | Value: 186 | Value: 187 | Value: 188 | Value: 189 | Value: 190 | Value: 191 |
| Value: 192 | Value: 193 | Value: 194 | Value: 195 | Value: 196 | Value: 197 | Value: 198 | Value: 199 |
| Value: 200 | Value: 201 | Value: 202 | Value: 203 | Value: 204 | Value: 205 | Value: 206 | Value: 207 |
| Value: 208 | Value: 209 | Value: 210 | Value: 211 | Value: 212 | Value: 213 | Value: 214 | Value: 215 |
| Value: 216 | Value: 217 | Value: 218 | Value: 219 | Value: 220 | Value: 221 | Value: 222 | Value: 223 |
| Value: 224 | Value: 225 | Value: 226 | Value: 227 | Value: 228 | Value: 229 | Value: 230 | Value: 231 |
| Value: 232 | Value: 233 | Value: 234 | Value: 235 | Value: 236 | Value: 237 | Value: 238 | Value: 239 |
| Value: 240 | Value: 241 | Value: 242 | Value: 243 | Value: 244 | Value: 245 | | |
| Value: 246 | Value: 247 | | | | | | |
| Value: 248 | Value: 249 | Value: 250 | Value: 251-255 Randomly | Value: 250 Randomly | Value: 251-255 | | |