

G Spot - DMX protocol

Protocol rev. 13



| Mode |
|------------------------|
| Standard (24 channels) |

| Valid from firmware version |
|-----------------------------|
| 1.66 |

| Channel | Name | DMX value | DMX Percentage | Description | Info | Default DMX value | Fader type |
|-------------|---|------------------------------------|----------------|---|--|-------------------|------------|
| 1 | SHUTTER | 0 7 | 0,0% 2,7% | Closed | | 10 (3,9%) | Snap |
| | | 8 15 | 3,1% 5,9% | Open 1 ('Pre-Heat' Enabled) | See note ① | | |
| | | 16 116 | 6,3% 45,5% | Strobe | | | |
| | | 117 152 | 45,9% 59,6% | Strobe - Random | | | |
| | | 153 173 | 60,0% 67,8% | Pulse - Open | Slow -> Fast | | |
| | | 174 194 | 68,2% 76,1% | Pulse - Close | Slow -> Fast | | |
| | | 195 220 | 76,5% 86,3% | Random Pulse Open | Slow -> Fast | | |
| | | 221 246 | 86,7% 96,5% | Random Pulse Close | Slow -> Fast | | |
| | | 247 255 | 96,9% 100,0% | Open 2 ('Pre-Heat' Disabled) | See note ② | | |
| 2 | INTENSITY | 0 255 | 0,0% 100,0% | No LIGHT -> Maximum LIGHT | | 0 (0%) | Fade |
| 3 | RED | 0 255 | 0,0% 100,0% | No RED -> Maximum RED | | 0 (0%) | Fade |
| 4 | GREEN | 0 255 | 0,0% 100,0% | No GREEN -> Maximum GREEN | | 0 (0%) | Fade |
| 5 | BLUE | 0 255 | 0,0% 100,0% | No BLUE -> Maximum BLUE | | 0 (0%) | Fade |
| 6 | CTC | 0 4 | 0,0% 1,6% | ≈ 5600° K | Detailed information - see separate document Click Here | 182 (71,3%) | Fade |
| | | 1 4 | 0,4% 1,6% | No CTC (RAW) | | | |
| | | 5 5 | 2,0% 2,0% | ≈ 2000° K | | | |
| | | 15 15 | 5,9% 5,9% | ≈ 2200° K (High Pressure Sodium Lamp) | | | |
| | | 40 40 | 15,7% 15,7% | ≈ 2700° K (Incandescent Lamp) | | | |
| | | 54 54 | 21,2% 21,2% | ≈ 3000° K (Halogen / Tungsten Lamp) | | | |
| | | 65 65 | 25,5% 25,5% | ≈ 3200° K (Warm Metal Halide Lamp) | | | |
| | | 105 105 | 41,2% 41,2% | ≈ 4000° K (Clear Metal Halide Lamp) | | | |
| | | 115 115 | 45,1% 45,1% | ≈ 4200° K (Cool White Fluorescent Lamp) | | | |
| | | 177 177 | 69,4% 69,4% | ≈ 5500° K (Daylight Metal Halide Lamp) | | | |
| | | 216 216 | 84,7% 84,7% | ≈ 6300° K | | | |
| | | 238 238 | 93,3% 93,3% | ≈ 8000° K | | | |
| | | 255 255 | 100,0% 100,0% | ≈ 10000° K | | | |
| 7 8 | PAN | 0 65535 | 0,0% 100,0% | -270° to 270° | -270° = Front lens @ Mains power input (Tilt = 0) | 32767 (50%) | Fade |
| 9 10 | TILT | 0 65535 | 0,0% 100,0% | -120° to 120° | -120° = Front lens @ Base front (Pan = 32767) | 32767 (50%) | Fade |
| 11 | GOBO WHEEL 1 | 0 20 | 0,0% 7,8% | Open | | 0 (0%) | Snap |
| | | 21 41 | 8,2% 16,1% | Gobo 1 - Position 1 | | | |
| | | 42 62 | 16,5% 24,3% | Gobo 1 - Position 2 | | | |
| | | 63 83 | 24,7% 32,5% | Gobo 1 - Position 3 | | | |
| | | 84 104 | 32,9% 40,8% | Gobo 1 - Position 4 | | | |
| | | 105 127 | 41,2% 49,8% | Gobo 1 - Position 5 | | | |
| | | 128 191 | 50,2% 74,9% | Gobo Wheel continuous rotation CW | Fast -> Slow | | |
| | | 192 192 | 75,3% 75,3% | No rotation | | | |
| 193 255 | 75,7% 100,0% | Gobo Wheel continuous rotation CCW | Slow -> Fast | | | | |
| 12 13 | GOBO WHEEL 1 Indexing Rotation Shake | 0 32767 | 0,0% 50,0% | Gobo Index | | 0 (0%) | Fade |
| | | 32768 32799 | 50,0% 50,0% | No Effect | | | |
| | | 32800 46418 | 50,0% 70,8% | Gobo continuous rotation CW | Fast -> Slow | | |
| | | 46419 46919 | 70,8% 71,6% | No rotation | | | |
| | | 46920 60538 | 71,6% 92,4% | Gobo continuous rotation CCW | Slow -> Fast | | |
| 60539 65535 | 92,4% 100,0% | Gobo Shake | Slow -> Fast | | | | |

| Channel | Name | DMX value | DMX Percentage | Description | Info | Default DMX value | Fader type | | |
|----------|---|-----------|----------------|------------------------|--------------|------------------------------------|------------|------|--------------|
| 14 | GOBO WHEEL 2 (Closest to light source) | 0 | 20 | 0,0% | 7,8% | Open | 0 (0%) | Snap | |
| | | 21 | 41 | 8,2% | 16,1% | Gobo 2 - Position 1 | | | |
| | | 42 | 62 | 16,5% | 24,3% | Gobo 2 - Position 2 | | | |
| | | 63 | 83 | 24,7% | 32,5% | Gobo 2 - Position 3 | | | |
| | | 84 | 104 | 32,9% | 40,8% | Gobo 2 - Position 4 | | | |
| | | 105 | 127 | 41,2% | 49,8% | Gobo 2 - Position 5 | | | |
| | | 128 | 191 | 50,2% | 74,9% | Gobo Wheel continuous rotation CW | | | Fast -> Slow |
| | | 192 | 192 | 75,3% | 75,3% | No rotation | | | |
| | | 193 | 255 | 75,7% | 100,0% | Gobo Wheel continuous rotation CCW | | | Slow -> Fast |
| 15 16 | GOBO WHEEL 2 Indexing Rotation Shake | 0 | 32767 | 0,0% | 50,0% | Gobo Index | 0 (0%) | Fade | |
| | | 32768 | 32799 | 50,0% | 50,0% | No Effect | | | |
| | | 32800 | 46418 | 50,0% | 70,8% | Gobo continuous rotation CW | | | Fast -> Slow |
| | | 46419 | 46919 | 70,8% | 71,6% | No rotation | | | |
| | | 46920 | 60538 | 71,6% | 92,4% | Gobo continuous rotation CCW | | | Slow -> Fast |
| 60539 | 65535 | 92,4% | 100,0% | Gobo Shake | Slow -> Fast | | | | |
| 17 | IRIS | 0 | 200 | 0,0% | 78,4% | Open -> Close | 0 (0%) | Fade | |
| | | 201 | 205 | 78,8% | 80,4% | Effect - "Open fast / Close slow" | | | |
| | | 206 | 210 | 80,8% | 82,4% | Effect - "Open slow / Close fast" | | | |
| | | 211 | 215 | 82,7% | 84,3% | Effect - "Open / Close" | | | |
| | | 216 | 255 | 84,7% | 100,0% | Effect - "Random Close / Open" | | | Slow -> Fast |
| 18 | EFFECT WHEEL | 0 | 4 | 0,0% | 1,6% | Open | 0 (0%) | Fade | |
| | | 5 | 127 | 2,0% | 49,8% | Indexed | | | |
| | | 128 | 153 | 50,2% | 60,0% | continuous rotation CW | | | Fast -> Slow |
| | | 154 | 179 | 60,4% | 70,2% | continuous rotation CCW | | | Slow -> Fast |
| | | 180 | 255 | 70,6% | 100,0% | Reserved (Calibration position) | | | |
| 19 | PRISM | 0 | 4 | 0,0% | 1,6% | Open | 0 (0%) | Fade | |
| | | 5 | 129 | 2,0% | 50,6% | continuous rotation CW | | | Fast -> Slow |
| | | 130 | 130 | 51,0% | 51,0% | No rotation | | | |
| | | 131 | 255 | 51,4% | 100,0% | continuous rotation CCW | | | Slow -> Fast |
| 20 | FROST | 0 | 5 | 0,0% | 2,0% | Open | 0 (0%) | Fade | |
| | | 6 | 255 | 2,4% | 100,0% | No Frost -> Maximum Frost | | | |
| 21 | ZOOM | 0 | 255 | 0,0% | 100,0% | Wide -> Narrow | 0 (0%) | Fade | |
| 22 | FOCUS | 0 | 255 | 0,0% | 100,0% | Far -> Near | 0 (0%) | Fade | |
| 23 | EFFECT CHANNEL | 0 | 4 | 0,0% | 1,6% | No Effect | 0 (0%) | Snap | |
| | | 5 | 15 | 2,0% | 5,9% | Reserved (No function) | | | |
| | | 16 | 26 | 6,3% | 10,2% | Reserved (No function) | | | |
| | | 27 | 32 | 10,6% | 12,5% | Shutter Black = RED | | | |
| | | 33 | 38 | 12,9% | 14,9% | Shutter Black = GREEN | | | |
| | | 39 | 44 | 15,3% | 17,3% | Shutter Black = BLUE | | | |
| | | 45 | 50 | 17,6% | 19,6% | Shutter Black = WHITE | | | |
| | | 51 | 56 | 20,0% | 22,0% | Shutter Black = Magenta | | | |
| | | 57 | 62 | 22,4% | 24,3% | Shutter Black = Yellow | | | |
| | | 63 | 68 | 24,7% | 26,7% | Shutter Black = Cyan | | | |
| 69 | 255 | 27,1% | 100,0% | Reserved (No function) | | | | | |

| Channel | Name | DMX value | DMX Percentage | Description | Info | Default DMX value | Fader type | | |
|---------|-----------------|-----------|----------------|------------------------|-------|------------------------------------|----------------|--------|------|
| 24 | CONTROL CHANNEL | 0 | 4 | 0,0% | 1,6% | No Function | | 0 (0%) | Snap |
| | | 5 | 9 | 2,0% | 3,5% | Full Reset | Hold 3 seconds | | |
| | | 10 | 14 | 3,9% | 5,5% | Pan Reset | Hold 3 seconds | | |
| | | 15 | 19 | 5,9% | 7,5% | Tilt Reset | Hold 3 seconds | | |
| | | 20 | 24 | 7,8% | 9,4% | Gobo Reset | Hold 3 seconds | | |
| | | 25 | 29 | 9,8% | 11,4% | Zoom Reset | Hold 3 seconds | | |
| | | 30 | 34 | 11,8% | 13,3% | Sleep mode | See note ③ | | |
| | | 35 | 39 | 13,7% | 15,3% | Display Off | Hold 3 seconds | | |
| | | 40 | 44 | 15,7% | 17,3% | Display On | Hold 3 seconds | | |
| | | 45 | 115 | 17,6% | 45,1% | LED Frequency (100 kHz - 1,41 kHz) | See note ④ | | |
| | | 116 | 119 | 45,5% | 46,7% | Capture Scene 1 | See note ⑤ | | |
| | | 120 | 123 | 47,1% | 48,2% | Capture Scene 2 | | | |
| | | 124 | 127 | 48,6% | 49,8% | Capture Scene 3 | | | |
| | | 128 | 131 | 50,2% | 51,4% | Capture Scene 4 | | | |
| | | 132 | 135 | 51,8% | 52,9% | Capture Scene 5 | | | |
| | | 136 | 139 | 53,3% | 54,5% | Capture Scene 6 | | | |
| | | 140 | 143 | 54,9% | 56,1% | Capture Scene 7 | | | |
| | | 144 | 147 | 56,5% | 57,6% | Capture Scene 8 | | | |
| | | 148 | 151 | 58,0% | 59,2% | Capture Scene 9 | | | |
| | | 152 | 155 | 59,6% | 60,8% | Capture Scene 10 | | | |
| | | 156 | 159 | 61,2% | 62,4% | Capture Scene 11 | | | |
| | | 160 | 163 | 62,7% | 63,9% | Capture Scene 12 | | | |
| | | 164 | 167 | 64,3% | 65,5% | Capture Scene 13 | | | |
| | | 168 | 171 | 65,9% | 67,1% | Capture Scene 14 | | | |
| | | 172 | 175 | 67,5% | 68,6% | Capture Scene 15 | | | |
| 176 | 179 | 69,0% | 70,2% | Capture Scene 16 | | | | | |
| 180 | 183 | 70,6% | 71,8% | Capture Scene 17 | | | | | |
| 184 | 187 | 72,2% | 73,3% | Capture Scene 18 | | | | | |
| 188 | 191 | 73,7% | 74,9% | Capture Scene 19 | | | | | |
| 192 | 195 | 75,3% | 76,5% | Capture Scene 20 | | | | | |
| 196 | 199 | 76,9% | 78,0% | Capture Scene 21 | | | | | |
| 200 | 203 | 78,4% | 79,6% | Capture Scene 22 | | | | | |
| 204 | 207 | 80,0% | 81,2% | Capture Scene 23 | | | | | |
| 208 | 211 | 81,6% | 82,7% | Capture Scene 24 | | | | | |
| 212 | 255 | 83,1% | 100,0% | Reserved (No function) | | | | | |

① 'Pre-Heat' Enabled = Ready for instant operation ② 'Pre-Heat' Disabled = To perform a complete blackout, use "Open 2". This will take 400 millisc to exit.

③ All other channels must be zero and this has to be held for 30 seconds (fixture will wake up on a full reset)

④ Set LED frequency refresh rate, see separate documentation for frequencies, see manual for details, value must be hold to keep setting (default value 1,41 kHz)

⑤ Hold for 3 sec to capture scenes for internal program (stand-alone operation) see user manual for details.

G Spot - DMX protocol

Protocol rev. 13



| Mode |
|------------------------|
| Extended (30 channels) |

| Valid from firmware version |
|-----------------------------|
| 1.66 |

| Channel | Name | DMX value | DMX Percentage | Description | Info | Default DMX value | Fader type |
|-------------|---|------------------------------------|----------------|---|--|-------------------|------------|
| 1 | SHUTTER | 0 7 | 0,0% 2,7% | Closed | | 10 (3,9%) | Snap |
| | | 8 15 | 3,1% 5,9% | Open 1 ('Pre-Heat' Enabled) | See note ① | | |
| | | 16 116 | 6,3% 45,5% | Strobe | | | |
| | | 117 152 | 45,9% 59,6% | Strobe - Random | | | |
| | | 153 173 | 60,0% 67,8% | Pulse - Open | Slow -> Fast | | |
| | | 174 194 | 68,2% 76,1% | Pulse - Close | Slow -> Fast | | |
| | | 195 220 | 76,5% 86,3% | Random Pulse Open | Slow -> Fast | | |
| | | 221 246 | 86,7% 96,5% | Random Pulse Close | Slow -> Fast | | |
| | | 247 255 | 96,9% 100,0% | Open 2 ('Pre-Heat' Disabled) | See note ② | | |
| 2 3 | INTENSITY | 0 65535 | 0,0% 100,0% | No LIGHT -> Maximum LIGHT | | 0 (0%) | Fade |
| 4 5 | RED | 0 65535 | 0,0% 100,0% | No RED -> Maximum RED | | 0 (0%) | Fade |
| 6 7 | GREEN | 0 65535 | 0,0% 100,0% | No GREEN -> Maximum GREEN | | 0 (0%) | Fade |
| 8 9 | BLUE | 0 65535 | 0,0% 100,0% | No BLUE -> Maximum BLUE | | 0 (0%) | Fade |
| 10 | CTC | 0 0 | 0,0% 0,0% | ≈ 5600° K | Detailed information - see separate document Click Here | 182 (71,3%) | Fade |
| | | 1 4 | 0,4% 1,6% | No CTC (RAW) | | | |
| | | 5 5 | 2,0% 2,0% | ≈ 2000° K | | | |
| | | 15 15 | 5,9% 5,9% | ≈ 2200° K (High Pressure Sodium Lamp) | | | |
| | | 40 40 | 15,7% 15,7% | ≈ 2700° K (Incandescent Lamp) | | | |
| | | 54 54 | 21,2% 21,2% | ≈ 3000° K (Halogen / Tungsten Lamp) | | | |
| | | 65 65 | 25,5% 25,5% | ≈ 3200° K (Warm Metal Halide Lamp) | | | |
| | | 105 105 | 41,2% 41,2% | ≈ 4000° K (Clear Metal Halide Lamp) | | | |
| | | 115 115 | 45,1% 45,1% | ≈ 4200° K (Cool White Fluorescent Lamp) | | | |
| | | 177 177 | 69,4% 69,4% | ≈ 5500° K (Daylight Metal Halide Lamp) | | | |
| | | 216 216 | 84,7% 84,7% | ≈ 6300° K | | | |
| | | 238 238 | 93,3% 93,3% | ≈ 8000° K | | | |
| | | 255 255 | 100,0% 100,0% | ≈ 10000° K | | | |
| 11 12 | PAN | 0 65535 | 0,0% 100,0% | -270° to 270° | -270° = Front lens @ Mains power input (Tilt = 0) | 32767 (50%) | Fade |
| 13 14 | TILT | 0 65535 | 0,0% 100,0% | -120° to 120° | -120° = Front lens @ Base front (Pan = 32767) | 32767 (50%) | Fade |
| 15 | GOBO WHEEL 1 | 0 20 | 0,0% 7,8% | Open | | 0 (0%) | Snap |
| | | 21 41 | 8,2% 16,1% | Gobo 1 - Position 1 | | | |
| | | 42 62 | 16,5% 24,3% | Gobo 1 - Position 2 | | | |
| | | 63 83 | 24,7% 32,5% | Gobo 1 - Position 3 | | | |
| | | 84 104 | 32,9% 40,8% | Gobo 1 - Position 4 | | | |
| | | 105 127 | 41,2% 49,8% | Gobo 1 - Position 5 | | | |
| | | 128 191 | 50,2% 74,9% | Gobo Wheel continuous rotation CW | Fast -> Slow | | |
| | | 192 192 | 75,3% 75,3% | No rotation | | | |
| 193 255 | 75,7% 100,0% | Gobo Wheel continuous rotation CCW | Slow -> Fast | | | | |
| 16 17 | GOBO WHEEL 1 Indexing Rotation Shake | 0 32767 | 0,0% 50,0% | Gobo Index | | 0 (0%) | Fade |
| | | 32768 32799 | 50,0% 50,0% | No Effect | | | |
| | | 32800 46418 | 50,0% 70,8% | Gobo continuous rotation CW | Fast -> Slow | | |
| | | 46419 46919 | 70,8% 71,6% | No rotation | | | |
| | | 46920 60538 | 71,6% 92,4% | Gobo continuous rotation CCW | Slow -> Fast | | |
| 60539 65535 | 92,4% 100,0% | Gobo Shake | Slow -> Fast | | | | |

| Channel | Name | DMX value | DMX Percentage | Description | Info | Default DMX value | Fader type | | |
|----------|---|-----------|----------------|------------------------|--------|------------------------------------|------------|------|--------------|
| 18 | GOBO WHEEL 2 (Closest to light source) | 0 | 20 | 0,0% | 7,8% | Open | 0 (0%) | Snap | |
| | | 21 | 41 | 8,2% | 16,1% | Gobo 2 - Position 1 | | | |
| | | 42 | 62 | 16,5% | 24,3% | Gobo 2 - Position 2 | | | |
| | | 63 | 83 | 24,7% | 32,5% | Gobo 2 - Position 3 | | | |
| | | 84 | 104 | 32,9% | 40,8% | Gobo 2 - Position 4 | | | |
| | | 105 | 127 | 41,2% | 49,8% | Gobo 2 - Position 5 | | | |
| | | 128 | 191 | 50,2% | 74,9% | Gobo Wheel continuous rotation CW | | | Fast -> Slow |
| | | 192 | 192 | 75,3% | 75,3% | No rotation | | | |
| | | 193 | 255 | 75,7% | 100,0% | Gobo Wheel continuous rotation CCW | | | Slow -> Fast |
| 19 20 | GOBO WHEEL 2 Indexing Rotation Shake | 0 | 32767 | 0,0% | 50,0% | Gobo Index | 0 (0%) | Fade | |
| | | 32768 | 32799 | 50,0% | 50,0% | No Effect | | | |
| | | 32800 | 46418 | 50,0% | 70,8% | Gobo continuous rotation CW | | | Fast -> Slow |
| | | 46419 | 46919 | 70,8% | 71,6% | No rotation | | | |
| | | 46920 | 60538 | 71,6% | 92,4% | Gobo continuous rotation CCW | | | Slow -> Fast |
| 21 | IRIS | 0 | 200 | 0,0% | 78,4% | Open -> Close | 0 (0%) | Fade | |
| | | 201 | 205 | 78,8% | 80,4% | Effect - "Open fast / Close slow" | | | |
| | | 206 | 210 | 80,8% | 82,4% | Effect - "Open slow / Close fast" | | | |
| | | 211 | 215 | 82,7% | 84,3% | Effect - "Open / Close" | | | |
| | | 216 | 255 | 84,7% | 100,0% | Effect - "Random Close / Open" | | | Slow -> Fast |
| 22 | EFFECT WHEEL | 0 | 4 | 0,0% | 1,6% | Open | 0 (0%) | Fade | |
| | | 5 | 127 | 2,0% | 49,8% | Indexed | | | |
| | | 128 | 153 | 50,2% | 60,0% | continuous rotation CW | | | Fast -> Slow |
| | | 154 | 179 | 60,4% | 70,2% | continuous rotation CCW | | | Slow -> Fast |
| | | 180 | 255 | 70,6% | 100,0% | Calibration position | | | |
| 23 | PRISM | 0 | 4 | 0,0% | 1,6% | Open | 0 (0%) | Fade | |
| | | 5 | 129 | 2,0% | 50,6% | continuous rotation CW | | | Fast -> Slow |
| | | 130 | 130 | 51,0% | 51,0% | No rotation | | | |
| | | 131 | 255 | 51,4% | 100,0% | continuous rotation CCW | | | Slow -> Fast |
| 24 | FROST | 0 | 5 | 0,0% | 2,0% | Open | 0 (0%) | Fade | |
| | | 6 | 255 | 2,4% | 100,0% | No Frost -> Maximum Frost | | | |
| 25 26 | ZOOM | 0 | 65535 | 0,0% | 100,0% | Wide -> Narrow | 0 (0%) | Fade | |
| 27 28 | FOCUS | 0 | 65535 | 0,0% | 100,0% | Far -> Near | 0 (0%) | Fade | |
| 29 | EFFECT CHANNEL | 0 | 4 | 0,0% | 1,6% | No Effect | 0 (0%) | Snap | |
| | | 5 | 15 | 2,0% | 5,9% | Reserved (No function) | | | |
| | | 16 | 26 | 6,3% | 10,2% | Reserved (No function) | | | |
| | | 27 | 32 | 10,6% | 12,5% | Shutter Black = RED | | | |
| | | 33 | 38 | 12,9% | 14,9% | Shutter Black = GREEN | | | |
| | | 39 | 44 | 15,3% | 17,3% | Shutter Black = BLUE | | | |
| | | 45 | 50 | 17,6% | 19,6% | Shutter Black = WHITE | | | |
| | | 51 | 56 | 20,0% | 22,0% | Shutter Black = Magenta | | | |
| | | 57 | 62 | 22,4% | 24,3% | Shutter Black = Yellow | | | |
| | | 63 | 68 | 24,7% | 26,7% | Shutter Black = Cyan | | | |
| 69 | 255 | 27,1% | 100,0% | Reserved (No function) | | | | | |

| Channel | Name | DMX value | DMX Percentage | Description | Info | Default DMX value | Fader type | | |
|---------|-----------------|-----------|----------------|------------------------|-------|------------------------------------|----------------|--------|------|
| 30 | CONTROL CHANNEL | 0 | 4 | 0,0% | 1,6% | No Function | | 0 (0%) | Snap |
| | | 5 | 9 | 2,0% | 3,5% | Full Reset | Hold 3 seconds | | |
| | | 10 | 14 | 3,9% | 5,5% | Pan Reset | Hold 3 seconds | | |
| | | 15 | 19 | 5,9% | 7,5% | Tilt Reset | Hold 3 seconds | | |
| | | 20 | 24 | 7,8% | 9,4% | Gobo Reset | Hold 3 seconds | | |
| | | 25 | 29 | 9,8% | 11,4% | Zoom Reset | Hold 3 seconds | | |
| | | 30 | 34 | 11,8% | 13,3% | Sleep | See note ③ | | |
| | | 35 | 39 | 13,7% | 15,3% | Display Off | Hold 3 seconds | | |
| | | 40 | 44 | 15,7% | 17,3% | Display On | Hold 3 seconds | | |
| | | 45 | 115 | 17,6% | 45,1% | LED Frequency (100 kHz - 1,41 kHz) | See note ④ | | |
| | | 116 | 119 | 45,5% | 46,7% | Capture Scene 1 | See note ⑤ | | |
| | | 120 | 123 | 47,1% | 48,2% | Capture Scene 2 | | | |
| | | 124 | 127 | 48,6% | 49,8% | Capture Scene 3 | | | |
| | | 128 | 131 | 50,2% | 51,4% | Capture Scene 4 | | | |
| | | 132 | 135 | 51,8% | 52,9% | Capture Scene 5 | | | |
| | | 136 | 139 | 53,3% | 54,5% | Capture Scene 6 | | | |
| | | 140 | 143 | 54,9% | 56,1% | Capture Scene 7 | | | |
| | | 144 | 147 | 56,5% | 57,6% | Capture Scene 8 | | | |
| | | 148 | 151 | 58,0% | 59,2% | Capture Scene 9 | | | |
| | | 152 | 155 | 59,6% | 60,8% | Capture Scene 10 | | | |
| | | 156 | 159 | 61,2% | 62,4% | Capture Scene 11 | | | |
| | | 160 | 163 | 62,7% | 63,9% | Capture Scene 12 | | | |
| | | 164 | 167 | 64,3% | 65,5% | Capture Scene 13 | | | |
| | | 168 | 171 | 65,9% | 67,1% | Capture Scene 14 | | | |
| | | 172 | 175 | 67,5% | 68,6% | Capture Scene 15 | | | |
| 176 | 179 | 69,0% | 70,2% | Capture Scene 16 | | | | | |
| 180 | 183 | 70,6% | 71,8% | Capture Scene 17 | | | | | |
| 184 | 187 | 72,2% | 73,3% | Capture Scene 18 | | | | | |
| 188 | 191 | 73,7% | 74,9% | Capture Scene 19 | | | | | |
| 192 | 195 | 75,3% | 76,5% | Capture Scene 20 | | | | | |
| 196 | 199 | 76,9% | 78,0% | Capture Scene 21 | | | | | |
| 200 | 203 | 78,4% | 79,6% | Capture Scene 22 | | | | | |
| 204 | 207 | 80,0% | 81,2% | Capture Scene 23 | | | | | |
| 208 | 211 | 81,6% | 82,7% | Capture Scene 24 | | | | | |
| 212 | 255 | 83,1% | 100,0% | Reserved (No function) | | | | | |

① 'Pre-Heat' Enabled = Ready for instant operation ② 'Pre-Heat' Disabled = To perform a complete blackout, use "Open 2". This will take 400 millisc to exit.

③ All other channels must be zero and this has to be held for 30 seconds (fixture will wake up on a full reset)

④ Set LED frequency refresh rate, see separate documentation for frequencies, see manual for details, value must be hold to keep setting (default value 1,41 kHz)

⑤ Hold for 3 sec to capture scenes for internal program (stand-alone operation) see user manual for details