# Robin SVB1 - DMX protocol

Version: 1.1 Mode 1-Wash mode, Mode 2- Strobe mode
Mode 3- Pixel mode

**Quick overview of default DMX values for each channel and mode**

| Mode/channel | | | Default DMX value | | | Note | Function |
|---|---|---|---|---|---|---|---|
| M.1 | M.2 | M.3 | M. 1 | M.2 | M.3 | | |
| 1 | 1 | 1 | 128 | 128 | 128 | | Pan (8 bit) |
| 2 | 2 | 2 | 0 | 0 | 0 | | Pan fine (16 bit) |
| 3 | 3 | 3 | 128 | 128 | 128 | | Tilt (8 bit) |
| 4 | 4 | 4 | 0 | 0 | 0 | | Tilt fine (16 bit) |
| 5 | 5 | 5 | 0 | 0 | 0 | | Pan control |
| 6 | 6 | 6 | 0 | 0 | 0 | | Tilt control |
| 7 | 7 | 7 | 0 | 0 | 0 | | Pan/Tilt speed, Pan/Tilt time |
| 8 | 8 | 8 | 0 | 0 | 0 | | Power/Special functions |
| 9 | 9 | 9 | 10 | 10 | 10 | | LED frequency selection |
| 10 | 10 | 10 | 128 | 128 | 128 | | LED frequency fine adjusting |
| 11 | 11 | 11 | 0 | 0 | 0 | | CTO - all pixels |
| 12 | 12 | 12 | 128 | 128 | 128 | | Green correction -all pixels |
| 13 | 13 | 13 | | | | | Reserved |
| 14 | 14 | 14 | 45 | 45 | 45 | | Colour mix control |
| 15 | 15 | 15 | 0 | 0 | 0 | | Virtual colour wheel-all pixels |
| 16 | 16 | 16 | 128 | 128 | 128 | | Zoom(8 bit) |
| 17 | 17 | 17 | 0 | 0 | 0 | | Zoom fine (16 bit) |
| 18 | 18 | 18 | 32 | 32 | 32 | | Shutter/ strobe -all pixels (without white strobe LEDs) |
| 19 | 19 | 19 | 0 | 0 | 0 | | Dimmer intensity (8 bit) -all pixels (without white strobe LEDs) |
| 20 | 20 | 20 | 0 | 0 | 0 | | Dimmer intensity fine (16 bit) -all pixels (without white strobe LEDs) |
| * | 21 | 21 | * | 32 | 32 | | Shutter/ strobe - White strobe LEDs |
| * | 22 | 22 | * | 0 | 0 | | Dimmer intensity (8 bit)- White strobe LEDs |
| * | 23 | 23 | * | 0 | 0 | | Dimmer intensity (16 bit) - White strobe LEDs |
| 21 | 24 | * | 255/0 | 0/255 | * | 1 | Red/Cyan (8 bit)- all pixels |
| 22 | 25 | * | 255/0 | 0/255 | * | 1 | Red/Cyan fine (16 bit)-all pixels |
| 23 | 26 | * | 255/0 | 0/255 | * | 1 | Green/Magenta (8 bit)-all pixels |
| 24 | 27 | * | 255/0 | 0/255 | * | 1 | Green/Magenta fine (16 bit)-all pixels |
| 25 | 28 | * | 255/0 | 0/255 | * | 1 | Blue/Yellow (8 bit)-all pixels |
| 26 | 29 | * | 255/0 | 0/255 | * | 1 | Blue/Yellow fine (16 bit) all pixels |
| 27 | 30 | * | 255/0 | 0/255 | * | 1 | White (8 bit)- all pixels |
| 28 | 31 | * | 255/0 | 0/255 | * | 1 | White fine (16 bit)-all pixels |
| * | 32 | 24 | * | 255 | 255 | | White strobe LEDs (8 bit) |
| * | 33 | 25 | * | 255 | 255 | | White strobe LEDs fine (16 bit) |
| * | 34 | 26 | * | 0 | 255 | | Red pixel 1 |
| * | 35 | 27 | * | 0 | 255 | | Green pixel 1 |
| * | 36 | 28 | * | 0 | 255 | | Blue pixel 1 |
| * | 37 | 29 | * | 0 | 255 | | White pixel 1 |
| * | 38 | 30 | * | 0 | 255 | | Red pixel 2 |
| * | 39 | 31 | * | 0 | 255 | | Green pixel 2 |
| * | 40 | 32 | * | 0 | 255 | | Blue pixel 2 |
| * | 41 | 33 | * | 0 | 255 | | White pixel 2 |
| : | : | : | : | : | : | | : |
| * | 54 | 46 | * | 0 | 255 | | Red pixel 6 |

| Mode/channel | | | Default DMX value | | | Note | Function |
|---|---|---|---|---|---|---|---|
| M.1 | M.2 | M.3 | M. 1 | M.2 | M.3 | | |
| * | 55 | 47 | * | 0 | 255 | | Green pixel 6 |
| * | 56 | 48 | * | 0 | 255 | | Blue pixel 6 |
| * | 57 | 49 | * | 0 | 255 | | White pixel 6 |
| * | 58 | 50 | * | 0 | 255 | | Red pixel 7 |
| * | 59 | 51 | * | 0 | 255 | | Green pixel 7 |
| * | 60 | 52 | * | 0 | 255 | | Blue pixel 7 |
| * | 61 | 53 | * | 0 | 255 | | White pixel 7 |

| | |
|---|---|
| Note 1 | Mode 1 (Default value: 255 - RGBW mode, 0-CMY mode) |
| | Mode 3 (Default value: 0 - RGBW mode, 255 - CMY mode) |

**Robin SVB1 - DMX protocol**

Version: 1.1 Mode 1-Wash mode, Mode 2- Strobe mode, Mode 3- Pixel mode

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | | |
| **1** | **1** | **1** | | **Pan (8 bit)** | |
| | | | 0 - 255 | Pan movement by 540°/360° | proportional |
| **2** | **2** | **2** | | **Pan Fine (16 bit)** | |
| | | | 0 - 255 | Fine control of pan movement | proportional |
| **3** | **3** | **3** | | **Tilt (8 bit)** | |
| | | | 0 - 255 | Tilt movement by 360° | proportional |
| **4** | **4** | **4** | | **Tilt fine (16 bit)** | |
| | | | 0 - 255 | Fine control of tilt movement | proportional |
| **5** | **5** | **5** | | **Pan control*** | |
| | | | 0 | Pan range 540°, shortcut Off | step |
| | | | 1 | Pan range 360°, shortcut On | step |
| | | | 2-127 | No function (Pan range 540°, shortcut Off) | |
| | | | 128-189 | Continuous rotation fast -> slow , Forwards | proportional |
| | | | 190-193 | Stop rotation | step |
| | | | 194-255 | Continuous rotation slow -> fast , Backwards | proportional |
| **6** | **6** | **6** | | **Tilt control*** | |
| | | | 0 | Tilt range 360°, Shortcut Off | step |
| | | | 1 | Tilt range 360°, Shortcut On | step |
| | | | 2-127 | No function (Tilt range 360°, Shortcut Off) | |
| | | | 128-189 | Continuous rotation fast -> slow , Forwards | proportional |
| | | | 190-193 | Stop rotation | step |
| | | | 194-255 | Continuous rotation slow -> fast , Backwards | proportional |
| **7** | **7** | **7** | | **Pan/Tilt speed , Pan/Tilt time** | |
| | | | 0 | Standard mode | step |
| | | | 1 | Max. Speed Mode | step |
| | | | | ***Pan/Tilt speed mode*** | |
| | | | 2 - 255 | Speed from max. to min. | proportional |
| | | | | ***Pan/Tilt time mode*** | |
| | | | 2 - 255 | Time from 0.2 s to 25.5 sec. | proportional |
| **8** | **8** | **8** | | **Power/Special functions** | |
| | | | 0 -19 | Reserved | |
| | | | | *To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter,Strobe-all pixels" channel 18 must be at range: 0-31 DMX). Corresponding menu items are temporarily overriden.* | |
| | | | 20-21 | Display: On | step |
| | | | 22-23 | Display: Off | step |
| | | | 24-25 | Colour mixing mode: RGBW | step |
| | | | 26-27 | Colour mixing mode: CMY | step |
| | | | 28-29 | Pan/Tilt mode: Speed | step |
| | | | 30-31 | Pan/Tilt mode: Time | step |
| | | | 32-33 | Blackout while pan/tilt moving | step |
| | | | 34-35 | Disabled blackout while pan/tilt moving | step |
| | | | 36-37 | Dimmer curve: Square law | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | | |
| | | | 38-39 | Dimmer curve: Linear | step |
| | | | 40-49 | Reserved | |
| | | | 50-51 | Fans mode: Auto | step |
| | | | 52-53 | Fans mode: High | step |
| | | | 54-55 | White point 8000K: On | step |
| | | | 56-57 | White point 8000K: Off | step |
| | | | 58-129 | Reserved | |
| | | | | *To activate following functions, stop in DMX value for at least 3 seconds.* | |
| | | | 130-131 | Total fixture reset | step |
| | | | 132-133 | Pan/Tilt reset | step |
| | | | 134-135 | Zoom reset | step |
| | | | 136-140 | Reserved | |
| | | | | *Tungsten effect simulution for whites 2700K and 3200K. In the Tungsten effect simulation the Dimmer channel imitates behaviour of the halogen lamp during dimming* | |
| | | | 141-142 | Tungsten effect simulation (750W) On | step |
| | | | 143-144 | Tungsten effect simulation (1000W) On | step |
| | | | 145-146 | Tungsten effect simulation (1200W) On | step |
| | | | 147-148 | Tungsten effect simulation (2000W) On | step |
| | | | 149-150 | Tungsten effect simulation (2500W) On | step |
| | | | 151-152 | Tungsten effect simulation Off | step |
| | | | 153-239 | Reserved | |
| | | | 240 | Disabled Fans Quiet mode | step |
| | | | 241-255 | Fans mode: Quiet - fans noise control from min. to max. | proportional |
| **9** | **9** | **9** | | **LED frequency selection** | |
| | | | | Factory display menu setting: 600Hz | |
| | | | | *can be fine adjusted in 127 steps up/down around selected PWM* | |
| | | | 0-4 | PWM frequency from Display menu (fixture utilizes PWM | step |
| | | | | frequency set in the display menu item Frequency Setup). | |
| | | | 5-9 | 300 Hz | step |
| | | | 10-14 | 600 Hz | step |
| | | | 15-19 | 1200 Hz | step |
| | | | 20-24 | 2400 Hz | step |
| | | | 25-29 | High | step |
| | | | 30-255 | Reserved (fixture utilizes PWM frequency set in the display menu item | |
| | | | | Frequency Setup). | |
| **10** | **10** | **10** | | **LED frequency fine adjusting** | |
| | | | | Factory display menu setting: 600Hz | |
| | | | | *Select desired PWM output frequency of LEDs on the channel above.* | |
| | | | 0-1 | Selected LED Frequency | step |
| | | | 2 | LED Frequency (step -126) | step |
| | | | 3 | LED Frequency (step -125) | step |
| | | | 4 | LED Frequency (step -124) | step |
| | | | : | | |
| | | | 125 | LED Frequency (step -3) | step |
| | | | 126 | LED Frequency (step -2) | step |
| | | | 127 | LED Frequency (step -1) | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | | |
| | | | 128 | Selected LED Frequency | step |
| | | | 129 | LED Frequency (step +1) | step |
| | | | 130 | LED Frequency (step +2) | step |
| | | | 131 | LED Frequency (step +3) | step |
| | | | : | | |
| | | | 252 | LED Frequency (step +124) | step |
| | | | 253 | LED Frequency (step +125) | step |
| | | | 254 | LED Frequency (step +126) | step |
| | | | 255 | Selected LED Frequency | step |
| **11** | **11** | **11** | | **CTO - all pixels** | |
| | | | | *If function "White Point 8000K" is ON* | |
| | | | 0-255 | Col. temperature correction from 8000K to 2700K -for whites only | proportional |
| | | | | (0=8000K, 64=5600K, 128=4200K, 192=3200K, 255=2700K) | |
| | | | | have to be set at the same value e.g. 255DMX. | |
| | | | | value at "Power/Special functions" channel) | |
| | | | | *If function "White Point 8000K" is OFF* | |
| | | | 0-255 | Colour temperature correction for from cool white to 2700K | proportional |
| **12** | **12** | **12** | | **Green correction - all Pixels** | |
| | | | 0 | Uncorrected white | step |
| | | | 1-127 | Minus green --> uncorrected white | proportional |
| | | | 128 | Uncorrected white | step |
| | | | 129-255 | Uncorrected white --> Plus green | proportional |
| **13** | **13** | **13** | | **Reserved** | |
| **14** | **14** | **14** | | **Colour Mix control** | |
| | | | | *The channel defines relation between color channels* | |
| | | | | *Global = Global Colours (CMY/RGBW/ colours, Virtual Colour Wheel, CTO)* | |
| | | | | *Pixel = Pixel Colours (RGBW individual pixels)* | |
| | | | 0-9 | Global colours (Global has priority) | step |
| | | | 10-19 | Maximum mode (highest values have priority) | step |
| | | | 20-29 | Minimum mode (lowest values have priority) | step |
| | | | 30-39 | Multiply mode (multiply Global and Pixel) | step |
| | | | 40-49 | Addition mode (Global + Pixel) | step |
| | | | 50-59 | Subtraction mode (Global – Pixel) | step |
| | | | 60-69 | Inverted Subtraction mode (Pixel – Global) | step |
| | | | 70-127 | Raw DMX | proportional |
| | | | 128 | Global colours only (Global has priority) | step |
| | | | 129-254 | Crossfade (crossfade between Global and Pixel) | proportional |
| | | | 255 | Pixel colours (Pixel has priority) | step |
| **15** | **15** | **15** | | **Virtual colour wheel - all pixels** | |
| | | | 0 | No function | step |
| | | | 1-2 | Filter 4 (Medium Bastard Amber) | step |
| | | | 3-4 | Filter 25 (Sunset Red) | step |
| | | | 5-6 | Filter 19 (Fire) | step |
| | | | 7-8 | Filter 26 (Bright Red) | step |
| | | | 9-10 | Filter 58 (Lavender) | step |
| | | | 11-12 | Filter 68 (Sky Blue) | step |
| | | | 13-14 | Filter 36 (Medium Pink) | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | | |
| | | | 15-16 | Filter 89 (Moss Green) | step |
| | | | 17-18 | Filter 88 (Lime Green) | step |
| | | | 19-20 | Filter 90 (Dark Yellow Green) | step |
| | | | 21-22 | Filter 49 (Medium Purple) | step |
| | | | 23-24 | Filter 52 (Light Lavender) | step |
| | | | 25-26 | Filter 102 (Light Amber) | step |
| | | | 27-28 | Filter 103 (Straw) | step |
| | | | 29-30 | Filter 140 (Summer Blue) | step |
| | | | 31-32 | Filter 124 (Dark Green) | step |
| | | | 33-34 | Filter 106 (Primary Red) | step |
| | | | 35-36 | Filter 111 (Dark Pink) | step |
| | | | 37-38 | Filter 115 (Peacock Blue) | step |
| | | | 39-40 | Filter 126 (Mauve) | step |
| | | | 41-42 | Filter 117 (Steel Blue) | step |
| | | | 43-44 | Filter 118 (Light Blue) | step |
| | | | 45-46 | Filter 122 (Fern Green) | step |
| | | | 47-48 | Filter 182 (Light Red) | step |
| | | | 49-50 | Filter  121 (Filter Green) | step |
| | | | 51-52 | Filter 128 (Bright Pink) | step |
| | | | 53-54 | Filter 131 (Marine Blue) | step |
| | | | 55-56 | Filter 132 (Medium Blue) | step |
| | | | 57-58 | Filter 134 (Golden Amber) | step |
| | | | 59-60 | Filter 135 (Deep Golden Amber) | step |
| | | | 61-62 | Filter 136 (Pale Lavender) | step |
| | | | 63-64 | Filter  137 (Special Lavender) | step |
| | | | 65-66 | Filter 138 (Pale Green) | step |
| | | | 67-68 | Filter 798 (Chrysalis Pink) | step |
| | | | 69-70 | Filter 141 (Bright Blue) | step |
| | | | 71-72 | Filter 147 (Apricot) | step |
| | | | 73-74 | Filter 148 (Bright Rose) | step |
| | | | 75-76 | Filter 152 (Pale Gold) | step |
| | | | 77-78 | Filter 154 (Pale Rose) | step |
| | | | 79-80 | Filter 157 (Pink) | step |
| | | | 81-82 | Filter 143 (Pale Navy Blue) | step |
| | | | 83-84 | Filter 162 (Bastard Amber) | step |
| | | | 85-86 | Filter 164 (Flame Red) | step |
| | | | 87-88 | Filter 165 (Daylight Blue) | step |
| | | | 89-90 | Filter 169 (Lilac Tint) | step |
| | | | 91-92 | Filter 170 (Deep Lavender) | step |
| | | | 93-94 | Filter 172 (Lagoon Blue) | step |
| | | | 95-96 | Filter 194 (Surprise Pink) | step |
| | | | 97-98 | Filter 180 (Dark Lavender) | step |
| | | | 99-100 | Filter 181 (Congo Blue) | step |
| | | | 101-102 | Filter 197 (Alice Blue) | step |
| | | | 103-104 | Filter 201 (Full C.T. Blue) | step |
| | | | 105-106 | Filter 202 (Half C.T. Blue) | step |
| | | | 107-108 | Filter 203 (Quarter C.T. Blue) | step |
| | | | 109-110 | Filter 204 (Full C.T. Orange) | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | | |
| | | | 111-112 | Filter 219 (Fluorescent Green) | step |
| | | | 113-114 | Filter 206 (Quarter C.T. Orange) | step |
| | | | 115-116 | Filter 247 (Filter Minus Green) | step |
| | | | 117-118 | Filter 248 (Half Minus Green) | step |
| | | | 119-120 | Filter 281 (Three Quarter C.T. Blue) | step |
| | | | 121-122 | Filter 285 (Three Quarter C.T. Orange) | step |
| | | | 123-124 | Filter 352 (Glacier Blue) | step |
| | | | 125-126 | Filter 353 (Lighter Blue) | step |
| | | | 127-128 | Filter 507 (Madge) | step |
| | | | 129-130 | Filter 778 (Millennium Gold) | step |
| | | | 131-132 | Filter 793 (Vanity Fair) | step |
| | | | 133-235 | Reserved | |
| | | | 236-245 | Rainbow effect (with fade time) from slow-> fast | proportional |
| | | | 246-255 | Rainbow effect (without fade time) from slow-> fast | proportional |
| **16** | **16** | **16** | | **Zoom (8bit)- all pixels** | |
| | | | 0-255 | Zoom from max. to min.beam angle | proportional |
| **17** | **17** | **17** | | **Zoom fine (16 bit)- all pixels** | |
| | | | 0-255 | Fine zooming | proportional |
| **18** | **18** | **18** | | **Shutter/ strobe -all pixels** | |
| | | | 0 - 31 | Shutter closed | step |
| | | | 32 - 63 | Shutter open | step |
| | | | 64 - 95 | Strobe-effect from slow to fast | proportional |
| | | | 96 - 127 | Shutter open | step |
| | | | 128 - 143 | Opening pulse in sequences from slow to fast | proportional |
| | | | 144 - 159 | Closing pulse in sequences from fast to slow | proportional |
| | | | 160 - 191 | Shutter open | step |
| | | | 192 - 223 | Random strobe-effect from slow to fast | proportional |
| | | | 224 - 255 | Shutter open | step |
| **19** | **19** | **19** | | **Dimmer intensity (8 bit)-all pixels** | |
| | | | 0 - 255 | Dimmer intensity from 0% to 100% | proportional |
| **20** | **20** | **20** | | **Dimmer intensity fine (16 bit) - all pixels** | |
| | | | 0-255 | Fine dimming | proportional |
| * | **21** | **21** | | **Shutter/ strobe -white strobe LEDs** | |
| | | | 0 - 31 | Shutter closed | step |
| | | | 32 - 63 | Shutter open | step |
| | | | 64 - 95 | Strobe-effect from slow to fast | proportional |
| | | | 96 - 127 | Shutter open | step |
| | | | 128 - 143 | Opening pulse in sequences from slow to fast | proportional |
| | | | 144 - 159 | Closing pulse in sequences from fast to slow | proportional |
| | | | 160 - 191 | Shutter open | step |
| | | | 192 - 223 | Random strobe-effect from slow to fast | proportional |
| | | | 224 - 255 | Shutter open | step |
| * | **22** | **22** | | **Dimmer intensity (8 bit)-white strobe LEDs** | |
| | | | 0 - 255 | Dimmer intensity from 0% to 100% | proportional |
| * | **23** | **23** | | **Dimmer intensity fine (16 bit) - white strobe LEDs** | |
| | | | 0-255 | Fine dimming | proportional |
| **21** | **24** | * | | **Red/Cyan (8 bit)-all pixels** | |
| | | | 0-255 | Colour saturation control - coarse 0-100% | proportional |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | | |
| 22 | 25 | * | | **Red/Cyan fine (16 bit)-all pixels** | |
| | | | 0-255 | Colour saturation control - fine | proportional |
| 23 | 26 | * | | **Green/Magenta (8 bit)-all pixels** | |
| | | | 0-255 | Colour saturation control - coarse 0-100% | proportional |
| 24 | 27 | * | | **Green/Magenta fine (16 bit)-all pixels** | |
| | | | 0-255 | Colour saturation control - fine | proportional |
| 25 | 28 | * | | **Blue/Yellow (8 bit)-all pixels** | |
| | | | 0-255 | Colour saturation control - coarse 0-100% | proportional |
| 26 | 29 | * | | **Blue/Yellow fine (16 bit)-all pixels** | |
| | | | 0-255 | Colour saturation control - fine | proportional |
| 27 | 30 | * | | **White (8 bit) - all pixels** | |
| | | | | *If RGBW mode is selected:* | |
| | | | 0-255 | Colour saturation control - coarse 0-100% | proportional |
| | | | | *If CMY mode is selected:* | |
| | | | 0-255 | No function | step |
| 28 | 31 | * | | **White (16 bit) - all pixels** | |
| | | | 0-255 | Colour saturation control - fine | proportional |
| * | 32 | 24 | | **White strobe LEDs (8 bit)** | |
| | | | 0-255 | Colour saturation control - coarse 0-100% | proportional |
| * | 33 | 25 | | **White strobe LEDs fine (16 bit)** | |
| | | | 0-255 | Colour saturation control - fine | proportional |
| * | 34 | 26 | | **Red pixel 1** | |
| | | | 0-255 | Red LED saturation control 0-100% | proportional |
| * | 35 | 27 | | **Green pixel 1** | |
| | | | 0-255 | Green LED saturation control 0-100% | proportional |
| * | 36 | 28 | | **Blue pixel 1** | |
| | | | 0-255 | Blue LED saturation control 0-100% | proportional |
| * | 37 | 29 | | **White pixel 1** | |
| | | | 0-255 | White LED saturation control 0-100% | proportional |
| * | 38 | 30 | | **Red pixel 2** | |
| | | | 0-255 | Red LED saturation control 0-100% | proportional |
| * | 39 | 31 | | **Green pixel 2** | |
| | | | 0-255 | Green LED saturation control 0-100% | proportional |
| * | 40 | 32 | | **Blue pixel 2** | |
| | | | 0-255 | Blue LED saturation control 0-100% | proportional |
| * | 41 | 33 | | **White pixel 2** | |
| | | | 0-255 | White LED saturation control 0-100% | proportional |
| : | : | : | : | : | : |
| * | 54 | 46 | | **Red pixel 6** | |
| | | | 0-255 | Red LED saturation control 0-100% | proportional |
| * | 55 | 47 | | **Green pixel 6** | |
| | | | 0-255 | Green LED saturation control 0-100% | proportional |
| * | 56 | 48 | | **Blue pixel 6** | |
| | | | 0-255 | Blue LED saturation control 0-100% | proportional |
| * | 57 | 49 | | **White pixel 6** | |
| | | | 0-255 | White LED saturation control 0-100% | proportional |
| * | 58 | 50 | | **Red pixel 7** | |
| | | | 0-255 | Red LED saturation control 0-100% | proportional |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 1 | 2 | 3 | | | |
| * | 59 | 51 | | **Green pixel 7** | |
| | | | 0-255 | Green LED saturation control 0-100% | proportional |
| * | 60 | 52 | | **Blue pixel 7** | |
| | | | 0-255 | Blue LED saturation control 0-100% | proportional |
| * | 61 | 53 | | **White pixel 7** | |
| | | | 0-255 | White LED saturation control 0-100% | proportional |
| * Max. Speed of continual Tilt rotation depends on max. speed of continual Pan rotation and vice versa | | | | | |
| E.g. Max. Tilt speed is reduced with increasing Pan speed, and vice versa, Max. Pan speed is reduced with increasing Tilt speed | | | | | |
| | | | | | |
| | | | | | |