## Robin T11 Profile/Fresnel/PC - DMX protocol

Version: 1.9 (8 modes)

**Short desciption of modes**

| Mode | Description |
|---|---|
| 1 | 16-bit CMY/RGB, 18 channels |
| 2 | 8-bit CMY/RGB, 9 channels |
| 3 | 16-bit RGBAL, 22 channels |
| 4 | White light+dimmer , 5 channels |
| 5 | Only Dimmer , 1 channel |
| 6 | 16-bit CMY/RGB + gobos+iris (for optional drop-in module), 24 channels |
| 7 | 8-bit CMY/RGB +gobos+iris (for optional drop-in module), 13 channels |
| 8 | 16-bit RGBAL + gobos+iris (for optional drop-in module), 28 channels |

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

| Mode/channel | | | | | Default DMX Value | Function |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | |
| 1 | 1 | 1 | * | * | 0 | Power/Special functions |
| 2 | * | 2 | * | * | 10 | LED frequency selection |
| 3 | * | 3 | * | * | 128 | LED frequency fine adjusting |
| 4 | 2 | 4 | * | * | 0 | Colour functions |
| 5 | 3 | 5 | 1 | * | 0 | CRI selection |
| 6 | * | 6 | * | * | 0 | Virtual colour wheel |
| 7 | 4 | * | * | * | 0/255 | Cyan/Red (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 8 | * | * | * | * | 0/255 | Cyan/Red (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 9 | 5 | * | * | * | 0/255 | Magenta/Green (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 10 | * | * | * | * | 0/255 | Magenta/Green (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 11 | 6 | * | * | * | 0/255 | Yellow/Blue (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 12 | * | * | * | * | 0/255 | Yellow/Blue (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| * | * | 7 | * | * | 255 | Red (8 bit) |
| * | * | 8 | * | * | 255 | Red (16bit) |
| * | * | 9 | * | * | 255 | Green (8 bit) |
| * | * | 10 | * | * | 255 | Green (16bit) |
| * | * | 11 | * | * | 255 | Blue (8 bit) |
| * | * | 12 | * | * | 255 | Blue (16bit) |
| * | * | 13 | * | * | 255 | Amber (8 bit) |
| * | * | 14 | * | * | 255 | Amber (16bit) |
| * | * | 15 | * | * | 255 | Lime (8 bit) |
| * | * | 16 | * | * | 255 | Lime (16bit) |
| 13 | 7 | 17 | 2 | * | 110 | Colour temperature correction (CTC) |
| 14 | * | 18 | 3 | * | 128 | Green correction |
| 15 | * | 19 | * | * | 0 | Colour mix control |
| 16 | 8 | 20 | * | * | 32 | Shutter/ strobe |
| 17 | 9 | 21 | 4 | 1 | 0 | Dimmer intensity |
| 18 | * | 22 | 5 | * | 0 | Dimmer intensity - fine |

| Mode/channel | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | | |
| 1 | 1 | 1 | * | * | | **Power/Special functions** | |
| | | | | | | Factory display menu setting: DMX Input-Wired ,Graphic display-On, Blackout while gobo wheel moving-Off, Fans mode-Auto, Dimmer Curve: Square law | |
| | | | | | 0 -19 | Reserved (0=default) | |
| | | | | | | *To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter,Strobe" channel 16/8/20 must be at range: 0-31 DMX). Corresponding menu items are temporarily overriden.* | |
| | | | | | 20-24 | Display: On | step |
| | | | | | 25-29 | Display: Off | step |
| | | | | | 30-59 | Reserved | |
| | | | | | 60-64 | Blackout while gobo wheel moving: On | step |
| | | | | | 65-69 | Blackout while gobo wheel moving: Off | step |
| | | | | | 70-74 | Fans mode: Auto | step |
| | | | | | 75-79 | Reserved | |
| | | | | | 80-84 | Quiet mode: Fans On at blackout | step |
| | | | | | 85-89 | Quiet mode: Fans Off at blackout | step |
| | | | | | 90-94 | Fans mode: Convection Passive Cooling (CPC) - Fans off | step |
| | | | | | 95-129 | Reserved | |
| | | | | | | *To activate following functions, stop in DMX value for at least 3 seconds.* | |
| | | | | | 130 - 134 | Simple mode off | step |
| | | | | | 135 - 159 | Reserved | |
| | | | | | 160 - 169 | Gobos reset (optional module) | step |
| | | | | | 170 - 189 | Reserved | |
| | | | | | 190 - 199 | Iris reset (optional module) | step |
| | | | | | 200 - 209 | Total fixture reset | step |
| | | | | | 210 - 211 | Green/Blue correction calibration | step |
| | | | | | 212 - 218 | Reserved | |
| | | | | | | The following three commands define transition from gobo rotation to gobo indexing: | |
| | | | | | 219 - 220 | Gobo indexing: Maximum speed and shortcut | step |
| | | | | | 221 - 222 | Gobo indexing: Follow speed and direction | step |
| | | | | | 223 - 224 | Gobo indexing: Maximum speed and follow direction | step |
| | | | | | 225-239 | Reserved | |
| | | | | | 240 | Disabled "Quiet mode" | step |
| | | | | | 241 - 255 | Quiet mode - fan noise control from min. to max. | proportional |
| 2 | * | 2 | * | * | | **LED frequency selection** | |
| | | | | | | Factory display menu setting: 600Hz | |
| | | | | | | *Select PWM output frequency of LEDs. Selected PWM frequency can be fine adjusted in 127 steps up/down around selected PWM frequency on the channel below. Corresponding menu item (Frequency Setup) is temporarily overriden.* | |
| | | | | | 0-4 | PWM frequency from Display menu (fixture utilizes PWM frequency set in the display menu item Frequency Setup). | step |
| | | | | | 5-9 | 300 Hz | step |
| | | | | | 10-14 | 600 Hz (10=default) | step |
| | | | | | 15-19 | 1200 Hz | step |
| | | | | | 20-24 | 2400 Hz | step |
| | | | | | 25-29 | High (25 000 Hz) | step |

| Mode/channel | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | | |
| | | | | | 30-255 | Reserved (fixture utilizes PWM frequency set in the display menu item | |
| | | | | | | Frequency Setup). | |
| **3** | * | **3** | * | * | | **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 |
| | | | | | 128 | Selected LED Frequency (128=default) | 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 |
| **4** | **2** | **4** | * | * | | **Colour functions** | |
| | | | | | | Factory display menu setting: Colour mixing mode-CMY, Dimmer Curve-Square Law, Tungsten effect simulation-Off, Chromatic white-Off, Light output stability-Off, Uniformity-Off | |
| | | | | | 0 | No function (0=default) | step |
| | | | | | | *To activate following functions, stop in DMX value for at least 3 seconds. Corresponding menu items are temporarily overriden* | |
| | | | | | 1-29 | Reserved | |
| | | | | | 30-34 | Standard CTC range (8000 K-2700 K) | step |
| | | | | | 35-39 | Extended CTC range (10000 K-1800 K) | step |
| | | | | | 40-44 | Colour mixing mode: CMY (DMX Mode 1, 2, 6 and 8 only) | step |
| | | | | | 45-49 | Colour mixing mode: RGB (DMX mode 1,2,6 and 7), RGBAL (DMX mode 3 and 8 only) | step |
| | | | | | 50-54 | Dimmer curve: Square law | step |
| | | | | | 55-59 | Dimmer curve: Linear | step |
| | | | | | 60-64 | Dimmer curve: Super square law | step |
| | | | | | 65-79 | Raw DMX | proportional |
| | | | | | | *Tungsten effect simulation for whites 2700K-4200K only:* | |
| | | | | | 80-84 | Tungsten effect simulation (750W/80V): On | step |
| | | | | | 85-89 | Tungsten effect simulation (1000W/240V): On | step |
| | | | | | 90-94 | Tungsten effect simulation (1200W/240V): On | step |
| | | | | | 95-99 | Tungsten effect simulation (2000W/230V): On | step |
| | | | | | 100-104 | Tungsten effect simulation (2500W/230V): On | step |
| | | | | | 105-109 | Tungsten effect simulation: Off | step |
| | | | | | 110-114 | Save user colour (see user manual) | step |
| | | | | | 115-119 | Chromatic white: On | step |
| | | | | | 120-124 | Chromatic white: Off | step |
| | | | | | 125-129 | Light output stability On | step |

| Mode/channel | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | | |
| | | | | | 130-134 | Light output stability Off | step |
| | | | | | 135-139 | Uniformity On | step |
| | | | | | 140-144 | Uniformity Off | step |
| | | | | | 145-152 | Reserved | |
| | | | | | | Activate the Green/Blue correction by the command "Green/Blue correction calibration" on the channel "Power/Spocial functions". Select desired colour temperature below and set green/blue correction using the "Green correction "channel and the "CTC" channel. After setting corrections, use command "Save Green/Blue correction". | |
| | | | | | 153-154 | Green/Blue correction - 1800K/High Intensity | step |
| | | | | | 155-156 | Green/Blue correction - 2700K/High Intensity | step |
| | | | | | 157-158 | Green/Blue correction - 3200K/High Intensity | step |
| | | | | | 159-160 | Green/Blue correction - 4200K/High Intensity | step |
| | | | | | 161-162 | Green/Blue correction - 5600K/High Intensity | step |
| | | | | | 163-164 | Green/Blue correction - 8000K/High Intensity | step |
| | | | | | 165-166 | Green/Blue correction - 10000K/High Intensity | step |
| | | | | | 167-168 | Green/Blue correction - 1800K/High CRI | step |
| | | | | | 169-170 | Green/Blue correction - 2700K/High CRI | step |
| | | | | | 171-172 | Green/Blue correction - 3200K/High CRI | step |
| | | | | | 173-174 | Green/Blue correction - 4200K/High CRI | step |
| | | | | | 175-176 | Green/Blue correction - 5600K/High CRI | step |
| | | | | | 177-178 | Green/Blue correction - 8000K/High CRI | step |
| | | | | | 179-180 | Green/Blue correction - 10000K/High CRI | step |
| | | | | | 181-182 | Save Green/Blue correction | step |
| | | | | | 183-255 | Reserved | |
| **5** | **3** | **5** | **1** | ***** | | **CRI selection** | |
| | | | | | 0-255 | CRI selection from Standard (80) to High (90+) (0=default) | proportional |
| **6** | ***** | **6** | ***** | ***** | | **Virtual colour wheel** | |
| | | | | | 0 | No function (0=default) | step |
| | | | | | 1-2 | Filter 4 (Medium Bastard Amber) | step |
| | | | | | 3-4 | Filter 10 (Medium Yellow) | 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 71 (Tokyo Blue) | step |
| | | | | | 15-16 | Filter 79 (Just Blue) | step |
| | | | | | 17-18 | Filter 88 (Lime Green) | step |
| | | | | | 19-20 | Filter 90 (Dark Yellow Green) | step |
| | | | | | 21-22 | Filter 100 (Spring Yellow) | step |
| | | | | | 23-24 | Filter 101 (Yellow) | step |
| | | | | | 25-26 | Filter 102 (Light Amber) | step |
| | | | | | 27-28 | Filter 103 (Straw) | step |
| | | | | | 29-30 | Filter 104 (Deep Amber) | step |
| | | | | | 31-32 | Filter 105 (Orange) | step |
| | | | | | 33-34 | Filter 106 (Primary Red) | step |
| | | | | | 35-36 | Filter 111 (Dark Pink) | step |

| Mode/channel | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | | |
| | | | | | 37-38 | Filter 115 (Peacock Blue) | step |
| | | | | | 39-40 | Filter 116 (Medium Blue-Green) | step |
| | | | | | 41-42 | Filter 117 (Steel Blue) | step |
| | | | | | 43-44 | Filter 118 (Light Blue) | step |
| | | | | | 45-46 | Filter 119 (Dark Blue) | step |
| | | | | | 47-48 | Filter 120 (Deep Blue) | 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 139 (Primary Green) | 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 158 (Deep Orange) | 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 179 (Chrome Orange) | 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 |
| | | | | | 111-112 | Filter 205 (Half C.T. Orange) | 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 715 (Cabana Blue) | step |
| | | | | | 129-130 | Filter 778 (Millennium Gold) | step |
| | | | | | 131-132 | Filter 793 (Vanity Fair) | step |

| Mode/channel | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | | |
| | | | | | 133-215 | Reserved | |
| | | | | | 216-217 | User colour 1 | step |
| | | | | | 218-219 | User colour 2 | step |
| | | | | | 220-221 | User colour 3 | step |
| | | | | | 222-223 | User colour 4 | step |
| | | | | | 224-225 | User colour 5 | step |
| | | | | | 226-227 | User colour 6 | step |
| | | | | | 228-229 | User colour 7 | step |
| | | | | | 230-231 | User colour 8 | step |
| | | | | | 232-233 | User colour 9 | step |
| | | | | | 234-235 | User colour 10 | step |
| | | | | | 236-245 | Rainbow effect (with fade time) from slow-> fast | proportional |
| | | | | | 246-255 | Rainbow effect (without fade time) from slow-> fast | proportional |
| **7** | **4** | * | * | * | | **Cyan/Red (8 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **8** | * | * | * | * | | **Cyan/Red (16 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **9** | **5** | * | * | * | | **Magenta/Green (8 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **10** | * | * | * | * | | **Magenta/Green (16 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **11** | **6** | * | * | * | | **Yellow/Blue (8 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **12** | * | * | * | * | | **Yellow/Blue (16 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| * | * | **7** | * | * | | **Red (8 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | **8** | * | * | | **Red (16bit)** | |
| | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | | **9** | * | * | | **Green (8 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | | **10** | * | * | | **Green (16bit)** | |
| | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | | **11** | * | * | | **Blue (8 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | | **12** | * | * | | **Blue (16bit)** | |
| | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | | **13** | * | * | | **Amber (8 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | | **14** | * | * | | **Amber (16bit)** | |
| | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | | **15** | * | * | | **Lime (8 bit)** | |
| | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |

| Mode/channel | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | | |
| * | | 16 | * | * | | **Lime (16bit)** | |
| | | | | | 0 - 255 | colour saturation control - fine (255=default) | proportional |
| 13 | 7 | 17 | 2 | * | | **CTC** | |
| | | | | | | *Standard CTC range (8000 K-2700 K) - it is a default setting in a display menu* | |
| | | | | | 0-1 | 8000 K | step |
| | | | | | 2-64 | Colour temperature changing 7978 K ->6622 K (22 K /1 DMX) | proportional |
| | | | | | 65 | 6600 K | step |
| | | | | | 66-109 | Colour temperature changing 6578 K ->5622 K (22 K/1 DMX) | proportional |
| | | | | | 110 | 5600 K (110=default) | step |
| | | | | | 111-179 | Colour temperature changing 5580 K ->4220 K (20 K/1 DMX) | proportional |
| | | | | | 180 | 4200 K | step |
| | | | | | 181-229 | Colour temperature changing 4180 K ->3220 K (20 K/1 DMX) | proportional |
| | | | | | 230 | 3200 K | step |
| | | | | | 231-254 | Colour temperature changing 3180 K ->2720 K (20K /1 DMX) | proportional |
| | | | | | 255 | 2700K | step |
| | | | | | | *Extended CTC range (10000 K-1800 K)* | |
| | | | | | 0 | 10 000 K | step |
| | | | | | 1-39 | Colour temperature changing 9950 K ->8050 K (50 K /1 DMX) | proportional |
| | | | | | 40 | 8000 K | step |
| | | | | | 41-99 | Colour temperature changing 7960 K ->5640 K (40 K/1 DMX) | proportional |
| | | | | | 100 | 5600 K | step |
| | | | | | 101-149 | Colour temperature changing 5572 K ->4228 K (28 K/1 DMX) | proportional |
| | | | | | 150 | 4200 K | step |
| | | | | | 151-189 | Colour temperature changing 4175 K ->3225 K (25 K/1 DMX) | proportional |
| | | | | | 190 | 3200 K | step |
| | | | | | 191-209 | Colour temperature changing 3175 K ->2725 K (25K /1 DMX) | proportional |
| | | | | | 210 | 2700K | step |
| | | | | | 211-254 | Colour temperature changing 2680 K ->1820 K (20K /1 DMX) | proportional |
| | | | | | 255 | 1800K | step |
| 14 | * | 18 | 3 | * | | **Green correction** | |
| | | | | | 0 | Uncorrected white | step |
| | | | | | 1-127 | Minus green --> uncorrected white | proportional |
| | | | | | 128 | Uncorrected white (128=default) | step |
| | | | | | 129-255 | Uncorrected white --> Plus green | proportional |
| 15 | * | 19 | * | * | | **Colour mix control** | |
| | | | | | | *Defines relation between Virtual Colour wheel and colour channels* | |
| | | | | | | "Virtual" = Virtual Colour Wheel | |
| | | | | | | "Colour mix" = Colour channels (CMY/RGBAL/CTC) | |
| | | | | | 0-9 | "Virtual " has priority over "Colour mix" (0=default) | |
| | | | | | 10-19 | Maximum mode (highest values have priority) | step |
| | | | | | 20-29 | Minimum mode (lowest values have priority) | step |
| | | | | | 30-39 | Multiply mode (multiply "Virtual" and "Colour mix") | step |
| | | | | | 40-49 | Addition mode ("Virtual" + "Colour mix") | step |
| | | | | | 50-59 | Subtraction mode ("Virtual" – "Colour mix") | step |
| | | | | | 60-69 | Inverted Subtraction mode ("Colour mix"-"Virtual") | step |
| | | | | | 70-79 | White Point Off (CTC+Green Cor.+Virtual Colour Wheel deactivated) | step |
| | | | | | 80-128 | Reserved | |
| | | | | | 129 | Crossfade "Virtual" only | step |

| Mode/channel | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | | |
| | | | | | 130-254 | Crossfade between "Virtual" and "Colour mix" | proportional |
| | | | | | 255 | Crossfade "Colour mix" only | step |
| **16** | **8** | **20** | * | * | | **Shutter/ strobe** | |
| | | | | | 0 - 31 | Shutter closed | step |
| | | | | | 32 - 63 | Shutter open (32=default) | 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 |
| **17** | **9** | **21** | **4** | **1** | | **Dimmer intensity** | |
| | | | | | 0 - 255 | Dimmer intensity from 0% to 100% (0=default) | proportional |
| **18** | * | **22** | **5** | * | | **Dimmer intensity - fine** | |
| | | | | | 0 - 255 | Fine dimming (0=default) | proportional |

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## Robin T11 Profile/Fresnel/PC - DMX protocol

Version: 1.9

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

| Mode/channel | | | Default DMX Value | Function |
|---|---|---|---|---|
| 6 | 7 | 8 | | |
| 1 | 1 | 1 | 0 | Power/Special functions |
| 2 | * | 2 | 10 | LED frequency selection |
| 3 | * | 3 | 128 | LED frequency fine adjusting |
| 4 | 2 | 4 | 0 | Colour functions |
| 5 | 3 | 5 | 0 | CRI selection |
| 6 | * | 6 | 0 | Virtual colour wheel |
| 7 | 4 | * | 0/255 | Cyan/Red (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 8 | * | * | 0/255 | Cyan/Red (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 9 | 5 | * | 0/255 | Magenta/Green (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 10 | * | * | 0/255 | Magenta/Green (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 11 | 6 | * | 0/255 | Yellow/Blue (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 12 | * | * | 0/255 | Yellow/Blue (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| * | * | 7 | 255 | Red (8 bit) |
| * | * | 8 | 255 | Red (16bit) |
| * | * | 9 | 255 | Green (8 bit) |
| * | * | 10 | 255 | Green (16bit) |
| * | * | 11 | 255 | Blue (8 bit) |
| * | * | 12 | 255 | Blue (16bit) |
| * | * | 13 | 255 | Amber (8 bit) |
| * | * | 14 | 255 | Amber (16bit) |
| * | * | 15 | 255 | Lime (8 bit) |
| * | * | 16 | 255 | Lime (16bit) |
| 13 | 7 | 17 | 110 | CTC |
| 14 | * | 18 | 128 | Green correction |
| 15 | * | 19 | 0 | Colour mix control |
| 16 | 8 | 20 | 0 | Static gobo wheel (optional module) |
| 17 | 9 | 21 | 0 | Rotating gobo wheel (optional module) |
| 18 | 10 | 22 | 128 | Rot. gobo indexing and rotation (optional module) |
| 19 | * | 23 | 0 | Rot. gobo indexing/rotation - fine (optional module) |
| 20 | 11 | 24 | 0 | Iris (optional module) |
| 21 | * | 25 | 0 | Iris - fine (optional module) |
| 22 | 12 | 26 | 32 | Shutter/ strobe |
| 23 | 13 | 27 | 0 | Dimmer intensity |
| 24 | * | 28 | 0 | Dimmer intensity - fine |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 6 | 7 | 8 | | | |
| **1** | **1** | **1** | | **Power/Special functions** | |
| | | | | Factory display menu setting: DMX Input-Wired ,Graphic display-On, Blackout while gobo wheel moving-Off, Fans mode-Auto, Dimmer Curve: Square law | |
| | | | 0 -19 | Reserved (0=default) | |
| | | | | *To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter,Strobe" channel 22/12/26 must be at range: 0-31 DMX). Corresponding menu items are temporarily overriden.* | |
| | | | 20-24 | Display: On | step |
| | | | 25-29 | Display: Off | step |
| | | | 30-59 | Reserved | |
| | | | 60-64 | Blackout while gobo wheel moving: On | step |
| | | | 65-69 | Blackout while gobo wheel moving: Off | step |
| | | | 70-74 | Fans mode: Auto | step |
| | | | 75-79 | Reserved | |
| | | | 80-84 | Quiet mode: Fans On at blackout | step |
| | | | 85-89 | Quiet mode: Fans Off at blackout | step |
| | | | 90-94 | Fans mode: Convection Passive Cooling (CPC) - Fans off | step |
| | | | 95-129 | Reserved | |
| | | | | *To activate following functions, stop in DMX value for at least 3 seconds.* | |
| | | | 130-134 | Simple mode off | step |
| | | | 135 - 159 | Reserved | |
| | | | 160 - 169 | Gobos reset (optional module) | step |
| | | | 170 - 189 | Reserved | |
| | | | 190 - 199 | Iris reset (optional module) | step |
| | | | 200 - 209 | Total fixture reset | step |
| | | | 210-211 | Green/Blue correction calibration | step |
| | | | 212 - 218 | Reserved | |
| | | | | The following three commands define transition from gobo rotation to gobo indexing: | |
| | | | 219 - 220 | Gobo indexing: Maximum speed and shortcut | step |
| | | | 221 - 222 | Gobo indexing: Follow speed and direction | step |
| | | | 223 - 224 | Gobo indexing: Maximum speed and follow direction | step |
| | | | 225-239 | Reserved | |
| | | | 240 | Disabled "Quiet mode" | step |
| | | | 241 - 255 | Quiet mode - fan noise control from min. to max. | proportional |
| **2** | ***** | **2** | | **LED frequency selection** | |
| | | | | Factory display menu setting: 600Hz | |
| | | | | *Select PWM output frequency of LEDs. Selected PWM frequency can be fine adjusted in 127 steps up/down around selected PWM frequency on the channel below. Corresponding menu item (Frequency Setup) is temporarily overriden.* | |
| | | | 0-4 | PWM frequency from Display menu (fixture utilizes PWM frequency set in the display menu item Frequency Setup). | step |
| | | | 5-9 | 300 Hz | step |
| | | | 10-14 | 600 Hz (10=default) | step |
| | | | 15-19 | 1200 Hz | step |
| | | | 20-24 | 2400 Hz | step |
| | | | 25-29 | High (25 000Hz) | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 6 | 7 | 8 | | | |
| | | | 30-255 | Reserved (fixture utilizes PWM frequency set in the display menu item | |
| | | | | Frequency Setup). | |
| **3** | * | **3** | | **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 |
| | | | 128 | Selected LED Frequency (128=default) | 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 |
| **4** | **2** | **4** | | **Colour functions** | |
| | | | | Factory display menu setting: Colour mixing mode-CMY, Dimmer Curve-Square Law, Tungsten effect simulation-Off, Chromatic white-Off, Light output stability-Off, Uniformity-Off | |
| | | | 0 | No function (0=default) | step |
| | | | | *To activate following functions, stop in DMX value for at least 3 seconds. Corresponding menu items are temporarily overriden* | |
| | | | 1-29 | Reserved | |
| | | | 30-34 | Standard CTC range (8000 K-2700 K) | step |
| | | | 35-39 | Extended CTC range (10000 K-1800 K) | step |
| | | | 40-44 | Colour mixing mode: CMY (DMX Mode 1, 2, 6, 7 only) | step |
| | | | 45-49 | Colour mixing mode: RGB (DMX mode 1,2,6,7) RGBAL (DMX mode 3,8 only) | step |
| | | | 50-54 | Dimmer curve: Square law | step |
| | | | 55-59 | Dimmer curve: Linear | step |
| | | | 60-64 | Dimmer curve: Super square law | step |
| | | | 65-79 | Raw DMX | proportional |
| | | | | *Tungsten effect simulation for whites 2700K-4200K only:* | |
| | | | 80-84 | Tungsten effect simulation (750W/80V): On | step |
| | | | 85-89 | Tungsten effect simulation (1000W/240V): On | step |
| | | | 90-94 | Tungsten effect simulation (1200W/240V): On | step |
| | | | 95-99 | Tungsten effect simulation (2000W/230V): On | step |
| | | | 100-104 | Tungsten effect simulation (2500W/230V): On | step |
| | | | 105-109 | Tungsten effect simulation: Off | step |
| | | | 110-114 | Save user colour (see user manual) | step |
| | | | 115-119 | Chromatic white: On | step |
| | | | 120-124 | Chromatic white: Off | step |
| | | | 125-129 | Light output stability On | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 6 | 7 | 8 | | | |
| | | | 130-134 | Light output stability Off | step |
| | | | 135-139 | Uniformity On | step |
| | | | 140-144 | Uniformity Off | step |
| | | | 145-152 | Reserved | |
| | | | | Activate the Green/Blue correction by the command "Green/Blue correction calibration" on the channel "Power/Spocial functions". Select desired colour temperature below and set green/blue correction using the "Green correction "channel and the "CTC" channel. After setting corrections, use command "Save Green/Blue correction". | |
| | | | 153-154 | Green/Blue correction - 1800K/High Intensity | step |
| | | | 155-156 | Green/Blue correction - 2700K/High Intensity | step |
| | | | 157-158 | Green/Blue correction - 3200K/High Intensity | step |
| | | | 159-160 | Green/Blue correction - 4200K/High Intensity | step |
| | | | 161-162 | Green/Blue correction - 5600K/High Intensity | step |
| | | | 163-164 | Green/Blue correction - 8000K/High Intensity | step |
| | | | 165-166 | Green/Blue correction - 10000K/High Intensity | step |
| | | | 167-168 | Green/Blue correction - 1800K/High CRI | step |
| | | | 169-170 | Green/Blue correction - 2700K/High CRI | step |
| | | | 171-172 | Green/Blue correction - 3200K/High CRI | step |
| | | | 173-174 | Green/Blue correction - 4200K/High CRI | step |
| | | | 175-176 | Green/Blue correction - 5600K/High CRI | step |
| | | | 177-178 | Green/Blue correction - 8000K/High CRI | step |
| | | | 179-180 | Green/Blue correction - 10000K/High CRI | step |
| | | | 181-182 | Save Green/Blue correction | step |
| | | | 183-255 | Reserved | |
| **5** | **3** | **5** | | **CRI selection** | |
| | | | 0-255 | CRI selection from Standard (80) to High (90+) (0=default) | proportional |
| **6** | ***** | **6** | | **Virtual colour wheel** | |
| | | | 0 | No function (0=default) | step |
| | | | 1-2 | Filter 4 (Medium Bastard Amber) | step |
| | | | 3-4 | Filter 10 (Medium Yellow) | 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 71 (Tokyo Blue) | step |
| | | | 15-16 | Filter 79 (Just Blue) | step |
| | | | 17-18 | Filter 88 (Lime Green) | step |
| | | | 19-20 | Filter 90 (Dark Yellow Green) | step |
| | | | 21-22 | Filter 100 (Spring Yellow) | step |
| | | | 23-24 | Filter 101 (Yellow) | step |
| | | | 25-26 | Filter 102 (Light Amber) | step |
| | | | 27-28 | Filter 103 (Straw) | step |
| | | | 29-30 | Filter 104 (Deep Amber) | step |
| | | | 31-32 | Filter 105 (Orange) | step |
| | | | 33-34 | Filter 106 (Primary Red) | step |
| | | | 35-36 | Filter 111 (Dark Pink) | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 6 | 7 | 8 | | | |
| | | | 37-38 | Filter 115 (Peacock Blue) | step |
| | | | 39-40 | Filter 116 (Medium Blue-Green) | step |
| | | | 41-42 | Filter 117 (Steel Blue) | step |
| | | | 43-44 | Filter 118 (Light Blue) | step |
| | | | 45-46 | Filter 119 (Dark Blue) | step |
| | | | 47-48 | Filter 120 (Deep Blue) | 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 139 (Primary Green) | 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 158 (Deep Orange) | 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 179 (Chrome Orange) | 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 |
| | | | 111-112 | Filter 205 (Half C.T. Orange) | 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 715 (Cabana Blue) | step |
| | | | 129-130 | Filter 778 (Millennium Gold) | step |
| | | | 131-132 | Filter 793 (Vanity Fair) | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 6 | 7 | 8 | | | |
| | | | 133-215 | Reserved | |
| | | | 216-217 | User colour 1 | step |
| | | | 218-219 | User colour 2 | step |
| | | | 220-221 | User colour 3 | step |
| | | | 222-223 | User colour 4 | step |
| | | | 224-225 | User colour 5 | step |
| | | | 226-227 | User colour 6 | step |
| | | | 228-229 | User colour 7 | step |
| | | | 230-231 | User colour 8 | step |
| | | | 232-233 | User colour 9 | step |
| | | | 234-235 | User colour 10 | step |
| | | | 236-245 | Rainbow effect (with fade time) from slow-> fast | proportional |
| | | | 246-255 | Rainbow effect (without fade time) from slow-> fast | proportional |
| **7** | **4** | * | | **Cyan/Red (8 bit)** | |
| | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **8** | * | * | | **Cyan/Red (16 bit)** | |
| | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **9** | **5** | * | | **Magenta/Green (8 bit)** | |
| | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **10** | * | * | | **Magenta/Green (16 bit)** | |
| | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **11** | **6** | * | | **Yellow/Blue (8 bit)** | |
| | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **12** | * | * | | **Yellow/Blue (16 bit)** | |
| | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| * | * | **7** | | **Red (8 bit)** | |
| | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | **8** | | **Red (16bit)** | |
| | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | | **9** | | **Green (8 bit)** | |
| | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | | **10** | | **Green (16bit)** | |
| | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | | **11** | | **Blue (8 bit)** | |
| | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | | **12** | | **Blue (16bit)** | |
| | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | | **13** | | **Amber (8 bit)** | |
| | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | | **14** | | **Amber (16bit)** | |
| | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | | **15** | | **Lime (8 bit)** | |
| | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 6 | 7 | 8 | | | |
| * | | 16 | | **Lime (16bit)** | |
| | | | 0 - 255 | colour saturation control - fine (255=default) | proportional |
| 13 | 7 | 17 | | **CTC** | |
| | | | | *Standard CTC range (8000 K-2700 K) - it is a default setting in display menu* | |
| | | | 0-1 | 8000 K | step |
| | | | 2-64 | Colour temperature changing 7978 K ->6622 K (22 K /1 DMX) | proportional |
| | | | 65 | 6600 K | step |
| | | | 66-109 | Colour temperature changing 6578 K ->5622 K (22 K/1 DMX) | proportional |
| | | | 110 | 5600 K (110=default) | step |
| | | | 111-179 | Colour temperature changing 5580 K ->4220 K (20 K/1 DMX) | proportional |
| | | | 180 | 4200 K | step |
| | | | 181-229 | Colour temperature changing 4180 K ->3220 K (20 K/1 DMX) | proportional |
| | | | 230 | 3200 K | step |
| | | | 231-254 | Colour temperature changing 3180 K ->2720 K (20K /1 DMX) | proportional |
| | | | 255 | 2700K | proportional |
| | | | | *Extended CTC range (10000 K-1800 K)* | |
| | | | 0 | 10 000 K | step |
| | | | 1-39 | Colour temperature changing 9950 K ->8050 K (50 K /1 DMX) | proportional |
| | | | 40 | 8000 K | step |
| | | | 41-99 | Colour temperature changing 7960 K ->5640 K (40 K/1 DMX) | proportional |
| | | | 100 | 5600 K | step |
| | | | 101-149 | Colour temperature changing 5572 K ->4228 K (28 K/1 DMX) | proportional |
| | | | 150 | 4200 K | step |
| | | | 151-189 | Colour temperature changing 4175 K ->3225 K (25 K/1 DMX) | proportional |
| | | | 190 | 3200 K | step |
| | | | 191-209 | Colour temperature changing 3175 K ->2725 K (25K /1 DMX) | proportional |
| | | | 210 | 2700K | step |
| | | | 211-254 | Colour temperature changing 2680 K ->1820 K (20K /1 DMX) | proportional |
| | | | 255 | 1800K | step |
| 14 | * | 18 | | **Green correction** | |
| | | | 0 | Uncorrected white | step |
| | | | 1-127 | Minus green --> uncorrected white | proportional |
| | | | 128 | Uncorrected white (128=default) | step |
| | | | 129-255 | Uncorrected white --> Plus green | proportional |
| 15 | * | 19 | | **Colour mix control** | |
| | | | | *Defines relation between Virtual Colour wheel and colour channels* | |
| | | | | "Virtual" = Virtual Colour Wheel | |
| | | | | "Colour mix" = Colour channels (CMY/RGBAL/CTC) | |
| | | | 0-9 | "Virtual " has priority over "Colour mix" (0=default) | |
| | | | 10-19 | Maximum mode (highest values have priority) | step |
| | | | 20-29 | Minimum mode (lowest values have priority) | step |
| | | | 30-39 | Multiply mode (multiply "Virtual" and "Colour mix") | step |
| | | | 40-49 | Addition mode ("Virtual" + "Colour mix") | step |
| | | | 50-59 | Subtraction mode ("Virtual" – "Colour mix") | step |
| | | | 60-69 | Inverted Subtraction mode ("Colour mix"-"Virtual") | step |
| | | | 70-79 | White Point Off (CTC+Green Cor.+Virtual Colour Wheel deactivated) | step |
| | | | 80-128 | Reserved | |
| | | | 129 | Crossfade "Virtual" only | step |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 6 | 7 | 8 | | | |
| | | | 130-254 | Crossfade between "Virtual" and "Colour mix" | proportional |
| | | | 255 | Crossfade "Colour mix" only | step |
| **16** | **8** | **20** | | **Static gobo wheel (optional module)** | |
| | | | 0-4 | Open/hole (0=default) | step |
| | | | | ***Positioning*** | |
| | | | 5-9 | Gobo 1 | step |
| | | | 10-14 | Gobo 2 | step |
| | | | 15-19 | Gobo 3 | step |
| | | | 20 - 255 | Open/hole | step |
| **17** | **9** | **21** | | **Rotating gobo wheel (optional module)** | |
| | | | | *Index - set indexing on channel 18/10/22* | |
| | | | 0-4 | Open/hole (0=default) | step |
| | | | 5-9 | Gobo 1 | step |
| | | | 10-14 | Gobo 2 | step |
| | | | | *Rotation - set rotation on channel 18/10/22* | |
| | | | 15-19 | Gobo 1 | step |
| | | | 20-24 | Gobo 2 | step |
| | | | 25 - 255 | Open/hole | step |
| **18** | **10** | **22** | | **Rot. gobo indexing and rotation (optional module)** | |
| | | | | *Gobo indexing - set position on channel 17/9/21* | |
| | | | 0 - 255 | Gobo indexing | proportional |
| | | | | *Gobo rotation - set position on channel 17/9/21* | |
| | | | 0 | No rotation | step |
| | | | 1 - 127 | Forwards gobo rotation from fast to slow | proportional |
| | | | 128 | No rotation (128=default) | step |
| | | | 129 - 255 | Backwards gobo rotation from slow to fast | proportional |
| **19** | ***** | **23** | | **Rot. gobo indexing/rotation - fine (optional module)** | |
| | | | 0-255 | Fine indexing/rotation (0=default) | proportional |
| **20** | **11** | **24** | | **Iris (optional module)** | |
| | | | 0 | Open (0=default) | step |
| | | | 1 - 179 | From max.diameter to min.diameter | proportional |
| | | | 180 - 191 | Closed | step |
| | | | | ***Pulse effects with Iris blackout*** | |
| | | | 192 -219 | Pulse opening from slow to fast | proportional |
| | | | 220 - 247 | Pulse closing from fast to slow | proportional |
| | | | 248 - 249 | Random pulse opening (fast) | step |
| | | | 250 - 251 | Random pulse opening (slow) | step |
| | | | 252 - 253 | Random pulse closing (fast) | step |
| | | | 254 - 255 | Random pulse closing (slow) | step |
| **21** | ***** | **25** | | **Iris - fine (optional module)** | |
| | | | 0 - 255 | Fine iris movement (0=default) | proportional |
| **22** | **12** | **26** | | **Shutter/ strobe** | |
| | | | 0 - 31 | Shutter closed | step |
| | | | 32 - 63 | Shutter open (32=default) | 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 |

| Mode/channel | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|
| 6 | 7 | 8 | | | |
| | | | 160 - 191 | Shutter open | step |
| | | | 192 - 223 | Random strobe-effect from slow to fast | proportional |
| | | | 224 - 255 | Shutter open | step |
| **23** | **13** | **27** | | **Dimmer intensity** | |
| | | | 0 - 255 | Dimmer intensity from 0% to 100% (0=default) | proportional |
| **24** | ***** | **28** | | **Dimmer intensity - fine** | |
| | | | 0 - 255 | Fine dimming (0=default) | proportional |
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| All Specifications subject to change without notice | | | | | |

| T11 - Colours on Virtual Colour Wheel | | | | | |
|---|---|---|---|---|---|
| **Colour name** | **Red** DMX | **Green** DMX | **Blue** DMX | **Amber** DMX | **Lime** DMX |
| Filter 4 (Medium Bastard Amber) | 255 | 47 | 7 | 255 | 80 |
| Filter 10 (Medium Yellow) | 255 | 65 | 0 | 255 | 132 |
| Filter 19 (Fire) | 255 | 0 | 0 | 186 | 1 |
| Filter 26 (Bright Red) | 255 | 0 | 0 | 25 | 0 |
| Filter 58 (Lavender) | 255 | 0 | 68 | 255 | 44 |
| Filter 68 (Sky Blue) | 132 | 190 | 159 | 0 | 36 |
| Filter 71 (Tokyo Blue) | 0 | 0 | 255 | 0 | 0 |
| Filter 79 (Just Blue) | 123 | 147 | 171 | 0 | 56 |
| Filter 88 (Lime Green) | 255 | 237 | 2 | 198 | 185 |
| Filter 90 (Dark Yellow Green) | 0 | 255 | 2 | 0 | 169 |
| Filter 100 (Spring Yellow) | 255 | 0 | 0 | 255 | 223 |
| Filter 101 (Yellow) | 255 | 0 | 0 | 255 | 157 |
| Filter 102 (Light Amber) | 255 | 142 | 4 | 255 | 73 |
| Filter 103 (Straw) | 255 | 138 | 4 | 255 | 97 |
| Filter 104 (Deep Amber) | 255 | 0 | 0 | 255 | 124 |
| Filter 105 (Orange) | 255 | 0 | 0 | 255 | 60 |
| Filter 106 (Primary Red) | 255 | 0 | 0 | 104 | 0 |
| Filter 111 (Dark Pink) | 255 | 0 | 11 | 255 | 59 |
| Filter 115 (Peacock Blue) | 0 | 255 | 31 | 0 | 72 |
| Filter 116 (Medium Blue-Green) | 0 | 255 | 20 | 0 | 63 |
| Filter 117 (Steel Blue) | 45 | 255 | 42 | 158 | 183 |
| Filter 118 (Light Blue) | 4 | 255 | 37 | 0 | 77 |
| Filter 119 (Dark Blue) | 0 | 165 | 118 | 0 | 0 |
| Filter 120 (Deep Blue) | 3 | 165 | 111 | 0 | 0 |
| Filter 121 (Filter Green) | 84 | 255 | 0 | 235 | 24 |
| Filter 128 (Bright Pink) | 255 | 0 | 10 | 127 | 0 |
| Filter 131 (Marine Blue) | 0 | 255 | 75 | 51 | 116 |
| Filter 132 (Medium Blue) | 0 | 255 | 102 | 0 | 42 |
| Filter 134 (Golden Amber) | 255 | 51 | 0 | 255 | 42 |
| Filter 135 (Deep Golden Amber) | 255 | 35 | 0 | 255 | 0 |
| Filter 136 (Pale Lavender) | 184 | 7 | 51 | 255 | 60 |
| Filter 137 (Special Lavender) | 231 | 63 | 43 | 255 | 99 |
| Filter 138 (Pale Green) | 255 | 224 | 6 | 255 | 200 |
| Filter 139 (Primary Green) | 0 | 255 | 0 | 0 | 84 |
| Filter 141 (Bright Blue) | 0 | 255 | 77 | 0 | 82 |
| Filter 147 (Apricot) | 255 | 0 | 4 | 255 | 115 |
| Filter 148 (Bright Rose) | 255 | 0 | 7 | 255 | 13 |
| Filter 152 (Pale Gold) | 255 | 0 | 11 | 255 | 112 |
| Filter 154 (Pale Rose) | 255 | 0 | 16 | 255 | 119 |
| Filter 157 (Pink) | 255 | 0 | 7 | 255 | 27 |
| Filter 158 (Deep Orange) | 255 | 0 | 0 | 255 | 30 |
| Filter 162 (Bastard Amber) | 255 | 175 | 7 | 255 | 50 |
| Filter 164 (Flame Red) | 255 | 0 | 0 | 142 | 0 |
| Filter 165 (Daylight Blue) | 12 | 255 | 158 | 3 | 156 |
| Filter 169 (Lilac Tint) | 255 | 12 | 27 | 255 | 61 |
| Filter 170 (Deep Lavender) | 255 | 0 | 65 | 255 | 90 |
| Filter 172 (Lagoon Blue) | 0 | 238 | 113 | 0 | 255 |

| **Colour name** | **Red** DMX | **Green** DMX | **Blue** DMX | **Amber** DMX | **Lime** DMX |
|---|---|---|---|---|---|
| Filter 179 (Chrome Orange) | 255 | 0 | 0 | 255 | 112 |
| Filter 180 (Dark Lavender) | 92 | 15 | 188 | 76 | 46 |
| Filter 181 (Congo Blue) | 185 | 0 | 214 | 0 | 0 |
| Filter 197 (Alice Blue) | 0 | 249 | 163 | 39 | 0 |
| Filter 201 (Full C.T. Blue) | 38 | 150 | 97 | 36 | 246 |
| Filter 202 (Half C.T. Blue) | 164 | 13 | 123 | 34 | 255 |
| Filter 203 (Quarter C.T. Blue) | 255 | 203 | 54 | 104 | 255 |
| Filter 204 (Full C.T. Orange) | 255 | 125 | 0 | 255 | 4 |
| Filter 205 (Half C.T. Orange) | 255 | 139 | 5 | 255 | 67 |
| Filter 206 (Quarter C.T. Orange) | 255 | 60 | 17 | 255 | 98 |
| Filter 247 (Filter Minus Green) | 255 | 28 | 36 | 255 | 56 |
| Filter 248 (Half Minus Green) | 255 | 20 | 45 | 255 | 200 |
| Filter 281 (Three Quarter C.T. Blue) | 38 | 255 | 102 | 136 | 227 |
| Filter 285 (Three Quarter C.T. Orange) | 255 | 0 | 0 | 255 | 121 |
| Filter 352 (Glacier Blue) | 16 | 255 | 119 | 5 | 149 |
| Filter 353 (Lighter Blue) | 14 | 255 | 66 | 0 | 157 |
| Filter 715 (Cabana Blue) | 0 | 222 | 182 | 0 | 0 |
| Filter 778 (Millennium Gold) | 255 | 0 | 0 | 255 | 37 |
| Filter 793 (Vanity Fair) | 255 | 0 | 26 | 171 | 0 |
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