

DMX protocol

| Robin iSpiderX® - DMX protocol | | | | | | | |
|--|---|---|---|-----------|--|-----------------|--------------|
| Version: 1.0 (10 modes) Mode 1 - 3-zones, Mode 2 -Basic, Mode 3 -Advanced, Mode 4 -Full RGBW | | | | | | | |
| Mode/channel | | | | DMX Value | Function | Type of control | |
| 1 | 2 | 3 | 4 | | | | |
| 1 | 1 | 1 | 1 | | Pan (8 bit) | | |
| | | | | 0 - 255 | Pan movement by 540° (128=default) | | proportional |
| 2 | 2 | 2 | 2 | | Pan Fine (16 bit) | | |
| | | | | 0 - 255 | Fine control of pan movement (0=default) | | proportional |
| 3 | 3 | 3 | 3 | | Tilt (8 bit) | | |
| | | | | 0 - 255 | Tilt movement by 220° (128=default) | | proportional |
| 4 | 4 | 4 | 4 | | Tilt fine (16 bit) | | |
| | | | | 0 - 255 | Fine control of tilt movement (0=default) | | proportional |
| 5 | 5 | 5 | 5 | | Pan/Tilt speed , Pan/Tilt time | | |
| | | | | 0 | Standard mode (0=default) | | 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 |
| 6 | 6 | 6 | 6 | | Power/Special functions | | |
| | | | | 0 - 5 | Reserved (0=default) | | |
| | | | | | <i>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 53/27/31/31 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden (unless otherwise stated)</i> | | |
| | | | | 6 | Standby mode: On (fixture effects are deactivated, light output is closed) | | step |
| | | | | 7 | Standby mode: Off | | |
| | | | | 8 | Pressure test: On (fixture does not respond to DMX during the test except value 9 (Pressure test: Off)) | | step |
| | | | | 9 | Pressure test: Off | | step |
| | | | | 10-14 | DMX input: Wired DMX | | step |
| | | | | 15-19 | DMX input: Wireless DMX * | | step |
| | | | | 20-24 | Graphic display On | | step |
| | | | | 25-29 | Graphic display Off | | step |
| | | | | 30-34 | RGBW colour mixing mode | | step |
| | | | | 35-39 | CMY colour mixing mode | | step |
| | | | | 40-44 | Pan/Tilt speed mode | | step |
| | | | | 45 - 49 | Pan/Tilt time mode | | step |
| | | | | 50 -54 | Blackout while pan/tilt moving | | step |
| | | | | 55 -59 | Disabled blackout while pan/tilt moving | | step |
| | | | | 60 - 64 | Dimmer curve-square law | | step |
| | | | | 65 - 69 | Dimmer curve-linear | | step |
| | | | | 70 - 74 | Fans mode: Auto | | step |
| | | | | 75 - 79 | Fans mode: High | | step |
| | | | | 80 - 84 | White point 8000K On | | step |
| | | | | 85 - 89 | White point 8000K Off | | step |
| | | | | 90 -109 | Reserved | | |
| | | | | 110-114 | Kling-Net ON | | step |

DMX protocol

| Mode/channel | | | | DMX Value | Function | Type of control |
|--------------|----------|----------|----------|-----------|--|-----------------|
| 1 | 2 | 3 | 4 | | | |
| | | | | 115-119 | Kling-Net Off | step |
| | | | | 120-124 | Parking position On | step |
| | | | | 125-129 | Parking position Off | step |
| | | | | | <i>To activate following functions, stop in DMX value for at least 3 seconds (except function Pixel index and Pixel Mirror). Corresponding menu items are temporarily overridden</i> | |
| | | | | 130 - 139 | Fixture reset (except pan/tilt) | |
| | | | | 140 - 149 | Pan/Tilt reset | step |
| | | | | 150 - 159 | Zoom reset | step |
| | | | | 160 - 169 | Flower effect reset | step |
| | | | | 170-171 | Tungsten effect simulation (750W) On ** | step |
| | | | | 172-173 | Tungsten effect simulation (1000W) On ** | step |
| | | | | 174-175 | Tungsten effect simulation (1200W) On ** | step |
| | | | | 176-177 | Tungsten effect simulation (2000W) On ** | step |
| | | | | 178-179 | Tungsten effect simulation (2500W) On ** | step |
| | | | | 180-181 | Tungsten effect simulation Off | step |
| | | | | 182-184 | Reserved | |
| | | | | 185 | PWM output frequency of LEDS: Standard (600Hz)**** | step |
| | | | | 186 | PWM output frequency of LEDS: High (Constant LED current) | step |
| | | | | | **** You can adjust selected frequency in 6 steps Up or Down around selected frequency - see table below . Default value of PWM frequency set in the fixture is Standard. | |
| | | | | 187 | LED Frequency (step -6) | step |
| | | | | 188 | LED Frequency (step -5) | step |
| | | | | 189 | LED Frequency (step -4) | step |
| | | | | 190 | LED Frequency (step -3) | step |
| | | | | 191 | LED Frequency (step -2) | step |
| | | | | 192 | LED Frequency (step -1) | step |
| | | | | 193 | Selected LED Frequency (Standard or High) | step |
| | | | | 194 | LED Frequency (step +1) | step |
| | | | | 195 | LED Frequency (step +2) | step |
| | | | | 196 | LED Frequency (step +3) | step |
| | | | | 197 | LED Frequency (step +4) | step |
| | | | | 198 | LED Frequency (step +5) | step |
| | | | | 199 | LED Frequency (step +6) | step |
| | | | | 200 - 209 | Total fixture reset | step |
| | | | | 210 - 221 | Pixel index | proportional |
| | | | | 222 - 223 | Pixel mirror On | step |
| | | | | 224 - 225 | Pixel mirror Off | step |
| | | | | 226 - 236 | Reserved | |
| | | | | 237 | Save Pixel index and mirror to fixture | step |
| | | | | | The following RoboSpot related commands are only applicable when the RoboSpot is connected: | |
| | | | | 238 - 239 | RoboSpot enabled | step |
| | | | | 240 - 241 | RoboSpot disabled - except handle faders and pan/tilt | step |
| | | | | 242 - 243 | RoboSpot fully disabled | step |
| | | | | 244 | Disabled "Silent mode" | step |
| | | | | 245 - 255 | Silent mode - fan noise control from min. to max. | proportional |
| 7 | 7 | 7 | 7 | | Virtual colour wheel | |

DMX protocol

| Mode/channel | | | | DMX Value | Function | Type of control |
|--------------|---|---|---|-----------|---------------------------------|-----------------|
| 1 | 2 | 3 | 4 | | | |
| | | | | 0 | No function (0=default) | 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 |
| | | | | 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 |

DMX protocol

| Mode/channel | | | | DMX Value | Function | Type of control |
|--------------|----|----|----|-----------|---|-----------------|
| 1 | 2 | 3 | 4 | | | |
| | | | | 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 |
| | | | | 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 | Raw DMX | proportional |
| | | | | 236-245 | Rainbow effect (with fade time) from slow-> fast | proportional |
| | | | | 246-255 | Rainbow effect (without fade time) from slow-> fast | proportional |
| * | 8 | 8 | 8 | | Red/Cyan (8 bit)- all pixels*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | 9 | 9 | | Red/Cyan (16bit)- all pixels*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | 9 | 10 | 10 | | Green/Magenta (8 bit) - all pixels *** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | 11 | 11 | | Green/Magenta (16bit) - all pixels*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | 10 | 12 | 12 | | Blue/Yellow (8 bit) - all pixels *** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | 13 | 13 | | Blue/ Yellow (16bit) -all pixels*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | 11 | 14 | 14 | | White (8 bit) - all pixels | |
| | | | | | <i>If RGBW mode is selected:</i> | |
| | | | | 0-255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| | | | | | <i>If CMY mode is selected:</i> | |
| | | | | 0 - 255 | No function | |
| * | * | 15 | 15 | | White (16 bit) - all pixels | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 8 | * | * | * | | Red/Cyan (8 bit) - zone 1*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 9 | * | * | * | | Red/Cyan (16bit)- zone 1*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 10 | * | * | * | | Green/Magenta (8 bit) - zone 1*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 11 | * | * | * | | Green/Magenta (16bit)- zone 1*** | |

DMX protocol

| Mode/channel | | | | DMX Value | Function | Type of control |
|--------------|---|---|---|-----------|---|-----------------|
| 1 | 2 | 3 | 4 | | | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 12 | * | * | * | | Blue/Yellow (8 bit) - zone 1*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 13 | * | * | * | | Blue/Yellow (16bit)- zone 1*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 14 | * | * | * | | White (8 bit) - zone 1 <i>If RGBW mode is selected:</i> | |
| | | | | 0-255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| | | | | | <i>If CMY mode is selected:</i> | |
| | | | | 0 - 255 | No function | |
| 15 | * | * | * | | White (16 bit) - zone 1 | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 16 | * | * | * | | Red/Cyan (8 bit) - zone 2*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 17 | * | * | * | | Red/Cyan (16bit)- zone 2*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 18 | * | * | * | | Green/Magenta (8 bit) - zone 2*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 19 | * | * | * | | Green/Magenta (16bit)- zone 2*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 20 | * | * | * | | Blue/Yellow (8 bit) - zone 2*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 21 | * | * | * | | Blue/Yellow (16bit)- zone 2*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 22 | * | * | * | | White (8 bit) - zone 2 <i>If RGBW mode is selected:</i> | |
| | | | | 0-255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| | | | | | <i>If CMY mode is selected:</i> | |
| | | | | 0 - 255 | No function | |
| 23 | * | * | * | | White (16 bit) - zone 2 | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 24 | * | * | * | | Red/Cyan (8 bit) - zone 3*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 25 | * | * | * | | Red/Cyan (16bit)- zone 3*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 26 | * | * | * | | Green/Magenta (8 bit) - zone 3*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 27 | * | * | * | | Green/Magenta (16bit)- zone 3*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 28 | * | * | * | | Blue/Yellow (8 bit) - zone 3*** | |
| | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 29 | * | * | * | | Blue/Yellow (16bit)- zone 3*** | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 30 | * | * | * | | White (8 bit) - zone 3 <i>If RGBW mode is selected:</i> | |
| | | | | 0-255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| | | | | | <i>If CMY mode is selected:</i> | |
| | | | | 0 - 255 | No function | |

DMX protocol

| Mode/channel | | | | DMX Value | Function | Type of control |
|--------------|-----------|-----------|-----------|-----------|---|-----------------|
| 1 | 2 | 3 | 4 | | | |
| 31 | * | * | * | | White (16 bit) - zone 3 | |
| | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 32 | 12 | 16 | 16 | | CTC | |
| | | | | | <i>If function "White Point 8000K" is ON</i> | |
| | | | | 0-255 | Col. temperature correction from 8000K to 2700K -for whites only (0=8000K, 64=5600K, 128=4200K, 192=3200K, 255=2700K) To get colour temperatures stated above, RGBW channels have to be set at the same value (e.g. 255DMX) or RGB=0 and White channel > 0 DMX (0=default) (To activate Tungsten effect at 2700K and 3200K , set DMX value at "Power/Special functions" channel) | proportional |
| | | | | | <i>If function "White Point 8000K" is OFF</i> | |
| | | | | 0-255 | Colour temperature correction from cool col. to warm colours | proportional |
| 33 | 13 | 17 | 17 | | Colour Mix control | |
| | | | | | <i>The channel defines relation between color channels</i> | |
| | | | | | <i>IF Flower effect is active, its colour channels always have priority!</i> | |
| | | | | | <i>Global = Global Colours (RGBW, Virtual Colour Wheel)</i> | |
| | | | | | <i>Pixel = Pixel Colours (RGB individual pixels or Kling-Net)</i> | |
| | | | | 0-9 | Global colours (Global has priority) | |
| | | | | 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) (45=default) | step |
| | | | | 50-59 | Subtraction mode (Global – Pixel) | step |
| | | | | 60-69 | Inverted Subtraction mode (Pixel – Global) | step |
| | | | | 70-79 | Coloured background | step |
| | | | | 80-127 | 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 |
| 34 | 14 | 18 | 18 | | Pixel effects | |
| | | | | 0-2 | No function (0=default) | |
| | | | | 3-4 | Effect 1 | step |
| | | | | 5-6 | Effect 2 | step |
| | | | | : | : | : |
| | | | | 181-182 | Effect 90 | step |
| | | | | 183-255 | Raw DMX | proportional |
| 35 | 15 | 19 | 19 | | Pixel effects speed | |
| | | | | 0-127 | Speed from from min. to max. (0=default) | proportional |
| | | | | 128-255 | Speed from max. to min. (opposite direction) | proportional |
| 36 | 16 | 20 | 20 | | Pixel effects fade | |
| | | | | 0 | Without fade time (0=default) | step |
| | | | | 1-255 | Fade time from min. to max. | proportional |
| 37 | 17 | 21 | 21 | | Flower Effect | |
| | | | | 0 | Open position-without Flower Effect (0=default) | step |
| | | | | 1 - 127 | Flower Effect forwards rotation from fast to slow | proportional |
| | | | | 128 | Flower Effect -without rotation | step |
| | | | | 129-255 | Backwards rotation from slow to fast | proportional |

DMX protocol

| Mode/channel | | | | DMX Value | Function | Type of control |
|--------------|----|----|----|-----------|---|-----------------|
| 1 | 2 | 3 | 4 | | | |
| 38 | 18 | 22 | 22 | 0 - 255 | Flower Effect - Red (8 bit) Colour saturation control - coarse 0-100% (255=default) | proportional |
| 39 | 19 | 23 | 23 | 0 - 255 | Flower Effect - Green (8 bit) Colour saturation control - coarse 0-100% (255=default) | proportional |
| 40 | 20 | 24 | 24 | 0 - 255 | Flower effect - Blue (8 bit) Colour saturation control - coarse 0-100% (255=default) | proportional |
| 41 | 21 | 25 | 25 | 0-255 | Flower Effect - White (8 bit) Colour saturation control - coarse 0-100% (255=default) | proportional |
| 42 | 22 | 26 | 26 | | Flower Effect - colour macros <i>(Flower Effect channel has to be set > 0 DMX)</i> | step |
| | | | | 0 | Open position - without macros (0=default) <i>(Flower effect colour macros have priority to RGBW colours/Virtual colour wheel, Flower effect colours)</i> | |
| | | | | 1-2 | Flower Effect colour macro 1 | step |
| | | | | 3-4 | Flower Effect colour macro 2 | step |
| | | | | 5-6 | Flower Effect colour macro 3 | step |
| | | | | : | | |
| | | | | 119-120 | Flower Effect colour macro 60 | step |
| | | | | 121-255 | Raw DMX | proportional |
| 43 | 23 | 27 | 27 | | Flower Effect - 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 |
| 44 | 24 | 28 | 28 | 0 - 255 | Flower Effect - Dimmer intensity (8 bit) Dimmer intensity from 0% to 100% (0=default) | proportional |
| 45 | 25 | 29 | 29 | 0-255 | Zoom Zoom from max. to min.beam angle (128=default) | proportional |
| 46 | * | 30 | 30 | 0-255 | Zoom - fine Fine zooming (0=default) | proportional |
| 47 | 26 | 31 | 31 | | 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 |
| 48 | 27 | 32 | 32 | 0 - 255 | Dimmer intensity (8 bit) Dimmer intensity from 0% to 100% (0=default) | proportional |
| 49 | * | 33 | 33 | | Dimmer intensity - fine (16 bit) | |

DMX protocol

| Mode/channel | | | | DMX Value | Function | Type of control |
|---|---|---|-----------|-----------|---|-----------------|
| 1 | 2 | 3 | 4 | | | |
| | | | | 0 - 255 | Fine dimming (0=default) | proportional |
| * | * | * | 34 | | Red pixel 1 | |
| | | | | 0-255 | Red LED saturation control 0-100% (0=default) | proportional |
| * | * | * | 35 | | Green pixel 1 | |
| | | | | 0-255 | Green LED saturation control 0-100% (0=default) | proportional |
| * | * | * | 36 | | Blue pixel 1 | |
| | | | | 0-255 | Blue LED saturation control 0-100% (0=default) | proportional |
| | | | | | : | |
| * | * | * | 88 | | Red pixel 19 | |
| | | | | 0-255 | Red LED saturation control 0-100% (0=default) | proportional |
| * | * | * | 89 | | Green pixel 19 | |
| | | | | 0-255 | Green LED saturation control 0-100% (0=default) | proportional |
| * | * | * | 90 | | Blue pixel 19 | |
| | | | | 0-255 | Blue LED saturation control 0-100% (0=default) | proportional |
| * function is active only 10 seconds after switching the fixture on | | | | | | |
| ** In the Tungsten effect simulation the Dimmer channel imitates behaviour of the halogen lamp during dimming | | | | | | |
| *** Select RGB or CMY mixing mode on channel "Power/Special functions" | | | | | | |
| Copyright © 2024 Robe Lighting s.r.o. - All rights reserved | | | | | | |
| All Specifications subject to change without notice | | | | | | |
| | | | | | | |

DMX protocol

| Robin iSpiider - DMX protocol | | | | | | | | |
|---|---|---|---|---|----|-----------|--|-----------------|
| Version: 1.0 (10 modes) Mode 5-Wash, Mode 6-Pattern, Mode 7-Pixel RGB, Mode 8-Pixel RGBW, Mode 9-Pattern full RGB, Mode 10-Pattern full RGBW | | | | | | | | |
| Mode/channel | | | | | | DMX Value | Function | Type of control |
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 - 255 | Pan (8 bit) Pan movement by 540° (128=default) | proportional |
| 2 | 2 | 2 | 2 | 2 | 2 | 0 - 255 | Pan Fine (16 bit) Fine control of pan movement (0=default) | proportional |
| 3 | 3 | 3 | 3 | 3 | 3 | 0 - 255 | Tilt (8 bit) Tilt movement by 220° (128=default) | proportional |
| 4 | 4 | 4 | 4 | 4 | 4 | 0 - 255 | Tilt fine (16 bit) Fine control of tilt movement (0=default) | proportional |
| 5 | 5 | 5 | 5 | 5 | 5 | 0 | Pan/Tilt speed , Pan/Tilt time Standard mode (0=default) | 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 0.2sec. to 25.5 sec. | proportional |
| 6 | 6 | 6 | 6 | 6 | 6 | 0 - 5 | Power/Special functions Reserved (0=default) <i>To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Master Shutter/Strobe“ channel 26/45/32/32/45/45 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden (unless otherwise stated)</i> | |
| | | | | | | 6 | Standby mode: On (fixture effects are deactivated, light output is closed) | step |
| | | | | | | 7 | Standby mode: Off | |
| | | | | | | 8 | Pressure test: On (fixture does not respond to DMX during the test except value 9 (Pressure test: Off)) | step |
| | | | | | | 9 | Pressure test: Off | step |
| | | | | | | 10-14 | DMX input: Wired DMX | step |
| | | | | | | 15-19 | DMX input: Wireless DMX * | step |
| | | | | | | | * function is active only 10 seconds after switching the fixture on | |
| | | | | | | 20-24 | Graphic display ON | step |
| | | | | | | 25-29 | Graphic display OFF | step |
| | | | | | | 30-34 | RGBW colour mixing mode | step |
| | | | | | | 35-39 | CMY colour mixing mode | step |
| | | | | | | 40-44 | Pan/Tilt speed mode | step |
| | | | | | | 45-49 | Pan/Tilt time mode | step |
| | | | | | | 50-54 | Blackout while pan/tilt moving | step |
| | | | | | | 55-59 | Disabled blackout while pan/tilt moving | step |
| | | | | | | 60-64 | Dimmer curve-square law | step |
| | | | | | | 65-69 | Dimmer curve-linear | step |
| | | | | | | 70-74 | Fans mode: Auto | step |
| | | | | | | 75-79 | Fans mode: High | step |
| | | | | | | 80-84 | White point 8000K ON | step |
| | | | | | | 85-89 | White point 8000K OFF | step |
| | | | | | | 90 -109 | Reserved | |

DMX protocol

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|--------------|---|---|---|---|----|-----------|---|-----------------|
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| | | | | | | 110-114 | Kling-Net On | step |
| | | | | | | 115-119 | Kling-Net Off | step |
| | | | | | | 120-124 | Parking position On | step |
| | | | | | | 125-129 | Parking position Off | step |
| | | | | | | | <i>To activate following functions, stop in DMX value for at least 3 seconds (except function Pixel index and Pixel mirror). Corresponding menu items are temporarily overridden.</i> | |
| | | | | | | 130 - 139 | Fixture reset (except pan/tilt) | |
| | | | | | | 140 - 149 | Pan/Tilt reset | step |
| | | | | | | 150 - 159 | Zoom reset | step |
| | | | | | | 160 - 169 | Flower effect reset | step |
| | | | | | | 170-171 | Tungsten effect simulation (750W) On ** | step |
| | | | | | | 172-173 | Tungsten effect simulation (1000W) On ** | step |
| | | | | | | 174-175 | Tungsten effect simulation (1200W) On ** | step |
| | | | | | | 176-177 | Tungsten effect simulation (2000W) On ** | step |
| | | | | | | 178-179 | Tungsten effect simulation (2500W) On ** | step |
| | | | | | | 180-181 | Tungsten effect simulation Off | step |
| | | | | | | 182-184 | Reserved | |
| | | | | | | 185 | PWM output frequency of LEDS: Standard (600Hz)**** | step |
| | | | | | | 186 | PWM output frequency of LEDS: High (Constant LED current) | step |
| | | | | | | | **** You can adjust selected frequency in 6 steps Up or Down around selected frequency - see table below . Default value of PWM frequency set in the fixture is Standard. | |
| | | | | | | 187 | LED Frequency (step -6) | step |
| | | | | | | 188 | LED Frequency (step -5) | step |
| | | | | | | 189 | LED Frequency (step -4) | step |
| | | | | | | 190 | LED Frequency (step -3) | step |
| | | | | | | 191 | LED Frequency (step -2) | step |
| | | | | | | 192 | LED Frequency (step -1) | step |
| | | | | | | 193 | LED Frequency (Standard or High) | step |
| | | | | | | 194 | LED Frequency (step +1) | step |
| | | | | | | 195 | LED Frequency (step +2) | step |
| | | | | | | 196 | LED Frequency (step +3) | step |
| | | | | | | 197 | LED Frequency (step +4) | step |
| | | | | | | 198 | LED Frequency (step +5) | step |
| | | | | | | 199 | LED Frequency (step +6) | step |
| | | | | | | 200 - 209 | Total fixture reset | step |
| | | | | | | 210 - 221 | Pixel index | proportional |
| | | | | | | 222 - 223 | Pixel mirror On | step |
| | | | | | | 224 - 225 | Pixel mirror Off | step |
| | | | | | | 226 - 236 | Reserved | |
| | | | | | | 237 | Save Pixel index and mirror to the fixture | step |
| | | | | | | | The following RoboSpot related commands are only applicable when the RoboSpot is connected: | |
| | | | | | | 238 - 239 | RoboSpot enabled | step |
| | | | | | | 240 - 241 | RoboSpot disabled - except handle faders and pan/tilt | step |
| | | | | | | 242 - 243 | RoboSpot fully disabled | step |
| | | | | | | 244 | Disabled "Quiet mode" | step |
| | | | | | | 245 - 255 | Quiet mode - fan noise control from min. to max. | proportional |

DMX protocol

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|--------------|---|---|---|---|----|-----------|--|-----------------|
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| 7 | 7 | 7 | 7 | 7 | 7 | | Background - Virtual colour wheel | |
| | | | | | | 0 | No function (0=default) | 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 |
| | | | | | | 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 |

DMX protocol

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|--|-----------------|
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| | | | | | | 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 |
| | | | | | | 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 | Raw DMX | proportional |
| | | | | | | 236-245 | Rainbow effect (with fade time) from slow-> fast | proportional |
| | | | | | | 246-255 | Rainbow effect (without fade time) from slow-> fast | proportional |
| 8 | 8 | 8 | 8 | 8 | 8 | | Background - Red/Cyan (8 bit)*** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | 9 | 9 | 9 | 9 | 9 | | Background - Red/Cyan (16bit)*** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 9 | 10 | 10 | 10 | 10 | 10 | | Background - Green/Magenta (8 bit)*** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | 11 | 11 | 11 | 11 | 11 | | Background - Green/Magenta (16bit) *** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 10 | 12 | 12 | 12 | 12 | 12 | | Background - Blue/Yellow (8 bit)*** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | 13 | 13 | 13 | 13 | 13 | | Background - Blue/ Yellow (16bit)*** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 11 | 14 | 14 | 14 | 14 | 14 | | Background - White (8 bit) - all pixels | |
| | | | | | | | <i>If RGBW mode is selected:</i> | |
| | | | | | | 0-255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| | | | | | | | <i>If CMY mode is selected:</i> | |
| | | | | | | 0 - 255 | No function | |
| * | 15 | 15 | 15 | 15 | 15 | | Background - White (16 bit) - all pixels | |
| | | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 12 | 16 | 16 | 16 | 16 | 16 | | Background - CT0 | |
| | | | | | | | <i>If function "White Point 8000K" is ON</i> | |
| | | | | | | 0-255 | Col. temperature correction from 8000K to 2700K -for whites only (0=8000K, 64=5600K, 128=4200K, 192=3200K, 255=2700K) | proportional |

DMX protocol

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|--|-----------------|
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| | | | | | | | To get colour temperatures stated above, RGBW channels have to be set at the same value (e.g. 255DMX) or RGB=0 and White channel > 0 DMX (0=default) | |
| | | | | | | | (To activate Tungsten effect at 2700K and 3200K , set DMX value at "Power/Special functions" channel) | |
| | | | | | | | <i>If function "White Point 8000K" is OFF</i> | |
| | | | | | | 0-255 | <i>Colour temperature correction from cool col. to warm colour</i> | proportional |
| 13 | 17 | 17 | 17 | 17 | 17 | | Background - 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 |
| 14 | 18 | 18 | 18 | 18 | 18 | | Background - Dimmer intensity (8 bit) | |
| | | | | | | 0 - 255 | Dimmer intensity from 0% to 100% (255=default) | proportional |
| * | 19 | 19 | 19 | 19 | 19 | | Background Dimmer intensity - fine (16 bit) | |
| | | | | | | 0 - 255 | Fine dimming (255=default) | proportional |
| 15 | 20 | 20 | 20 | 20 | 20 | | Background - Active zone | |
| | | | | | | 0-2 | All pixels (0=default) | |
| | | | | | | 3-4 | Ring 1 (Middle pixel) | step |
| | | | | | | 5-6 | Ring 2 | step |
| | | | | | | 7-8 | Ring 3 | step |
| | | | | | | 9-10 | Ring 1+ Ring 2 | step |
| | | | | | | 11-12 | Ring 1+ Ring 3 | step |
| | | | | | | 13-14 | Ring 2 + Ring 3 | step |
| | | | | | | 15-16 | Sector 1 | step |
| | | | | | | 17-18 | Sector 2 | step |
| | | | | | | 19-20 | Sector 3 | step |
| | | | | | | 21-22 | Sector 4 | step |
| | | | | | | 23-24 | Sector 5 | step |
| | | | | | | 25-26 | Sector 6 | step |
| | | | | | | 27-28 | Sector 1+4 | step |
| | | | | | | 29-30 | Sector 1+4+Ring 1 | step |
| | | | | | | 31-32 | Sector 2+5 | step |
| | | | | | | 33-34 | Sector 2+5+Ring 1 | step |
| | | | | | | 35-36 | Sector 3+6 | step |
| | | | | | | 37-38 | Sector 3+6+Ring 1 | step |
| | | | | | | 39-40 | Sector 1+3+5 | step |
| | | | | | | 41-42 | Sector 1+3+5+Ring 1 | step |
| | | | | | | 43-44 | Sector 2+4+6 | step |
| | | | | | | 45-46 | Sector 2+4+6+Ring 1 | step |
| | | | | | | 47-48 | Sector 1+2+3 | step |
| | | | | | | 49-50 | Sector 2+3+4 | step |
| | | | | | | 51-52 | Sector 3+4+5 | step |
| | | | | | | 53-54 | Sector 4+5+6 | step |

DMX protocol

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|--|-----------------|
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| | | | | | | 55-56 | Sector 5+6+1 | step |
| | | | | | | 57-58 | sector 6+1+2 | step |
| | | | | | | 59-255 | Raw DMX | proportional |
| 16 | 21 | 21 | 21 | 21 | 21 | | Colour Mix control | |
| | | | | | | | <i>The channel defines relation between color channels</i> | |
| | | | | | | | <i>IF Flower effect is active, its colour channels always have priority!</i> | |
| | | | | | | | <i>Global = Global Colours (Background RGBW, Background Virtual Colour Wheel, Background CTO)</i> | |
| | | | | | | | <i>Pixel = Pixel Colours (RGB individual pixels or Kling-Net)</i> | |
| | | | | | | 0-9 | Global colours (Global has priority) | |
| | | | | | | 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) (45=default) | step |
| | | | | | | 50-59 | Subtraction mode (Global – Pixel) | step |
| | | | | | | 60-69 | Inverted Subtraction mode (Pixel – Global) | step |
| | | | | | | 70-79 | Coloured background | step |
| | | | | | | 80-127 | 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 |
| 17 | 22 | 22 | 22 | 22 | 22 | | Flower Effect | |
| | | | | | | 0 | Open position-without Flower Effect (0=default) | step |
| | | | | | | 1 - 127 | Flower Effect forwards rotation from fast to slow | proportional |
| | | | | | | 128 | Flower Effect -without rotation | step |
| | | | | | | 129-255 | Backwards rotation from slow to fast | proportional |
| 18 | 23 | 23 | 23 | 23 | 23 | | Flower Effect - Red/Cyan (8 bit) | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 19 | 24 | 24 | 24 | 24 | 24 | | Flower Effect - Green/Magenta (8 bit) | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 20 | 25 | 25 | 25 | 25 | 25 | | Flower effect - Blue/Yellow (8 bit) | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 21 | 26 | 26 | 26 | 26 | 26 | | Flower Effect - White (8 bit) | |
| | | | | | | 0-255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 22 | 27 | 27 | 27 | 27 | 27 | | Flower Effect - colour macros | |
| | | | | | | | <i>(Flower Effect channel has to be set > 0 DMX)</i> | step |
| | | | | | | 0 | Open position - without macros (0=default) | |
| | | | | | | | <i>(Flower effect colour macros have priority to RGBW colours/Virtual colour wheel, Flower effect colours, channels Flower effect-Shutter/strobe and Flower effect-dimmer has to be open)</i> | |
| | | | | | | 1-2 | Flower Effect colour macro 1 | step |
| | | | | | | 3-4 | Flower Effect colour macro 2 | step |
| | | | | | | 5-6 | Flower Effect colour macro 3 | step |
| | | | | | | : | | |
| | | | | | | 119-120 | Flower Effect colour macro 60 | step |
| | | | | | | 121-255 | Raw DMX | proportional |
| 23 | 28 | 28 | 28 | 28 | 28 | | Flower Effect - Shutter/ strobe | |
| | | | | | | 0 - 31 | Shutter closed | step |
| | | | | | | 32 - 63 | Shutter open (32=default) | step |

DMX protocol

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|---|-----------------|
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| | | | | | | 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 |
| 24 | 29 | 29 | 29 | 29 | 29 | | Flower Effect - Dimmer intensity (8 bit) | |
| | | | | | | 0 - 255 | Dimmer intensity from 0% to 100% (255=default) | proportional |
| 25 | 30 | 30 | 30 | 30 | 30 | | Zoom | |
| | | | | | | 0-255 | Zoom from max. to min.beam angle (128=default) | proportional |
| * | 31 | 31 | 31 | 31 | 31 | | Zoom - fine | |
| | | | | | | 0-255 | Fine zooming (0=default) | proportional |
| * | 32 | * | * | 32 | 32 | | Pattern selection | |
| | | | | | | 0-2 | No pattern (0=default) | |
| | | | | | | 3-4 | Pattern 1 | step |
| | | | | | | 5-6 | Pattern 2 | step |
| | | | | | | 7-8 | Pattern 3 | step |
| | | | | | | 9-10 | Pattern 4 | step |
| | | | | | | 11-12 | Pattern 5 | step |
| | | | | | | 13-14 | Pattern 6 | step |
| | | | | | | 15-16 | Pattern 7 | step |
| | | | | | | 17-18 | Pattern 8 | step |
| | | | | | | 19-20 | Pattern 9 | step |
| | | | | | | 21-22 | Pattern 10 | step |
| | | | | | | 23-24 | Pattern 11 | step |
| | | | | | | 25-26 | Pattern 12 | step |
| | | | | | | 27-28 | Pattern 13 | step |
| | | | | | | 29-30 | Pattern 14 | step |
| | | | | | | 31-255 | RAW DMX | proportional |
| * | 33 | * | * | 33 | 33 | | Pattern - Repeat (Size) | |
| | | | | | | 0-2 | Variant 1 (0=default) | step |
| | | | | | | 3-4 | Variant 2 | step |
| | | | | | | 5-6 | Variant 3 | step |
| | | | | | | 7-8 | Variant 4 | step |
| | | | | | | 9-10 | Variant 5 | step |
| | | | | | | 11-12 | Variant 6 | step |
| | | | | | | 13-14 | Variant 7 | step |
| | | | | | | 15-16 | Variant 8 | step |
| | | | | | | 17-18 | Variant 9 | step |
| | | | | | | 19-20 | Variant 10 | step |
| | | | | | | 21-22 | Variant 11 | step |
| | | | | | | 23-255 | Raw DMX | proportional |
| * | 34 | * | * | 34 | 34 | | Pattern - Rotation | |
| | | | | | | 0 | No rotation (0=default) | step |
| | | | | | | 1-127 | Pattern indexing | proportional |
| | | | | | | 128-190 | Forwards rotation from fast to slow | proportional |
| | | | | | | 191-192 | Pause - without rotation | step |

DMX protocol

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|--------------|----|---|---|----|----|-----------|---|-----------------|
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| | | | | | | 193-255 | Backwards rotation from slow to fast | proportional |
| * | 35 | * | * | 35 | 35 | | Pattern - Fade | |
| | | | | | | 0 | Snap (0=default) | step |
| | | | | | | 1-255 | Fade from min. to max. | proportional |
| * | 36 | * | * | 36 | 36 | | Pattern - Transition | |
| | | | | | | 0 | No fade (0=default) | step |
| | | | | | | 1 | 100ms | step |
| | | | | | | : | | |
| | | | | | | 255 | 4 sec | step |
| * | 37 | * | * | 37 | 37 | | Pattern - Crossfade | |
| | | | | | | 0 | Background | step |
| | | | | | | 1-255 | Crossfade between Background and Pattern 0-100% (255=default) | proportional |
| * | 38 | * | * | 38 | 38 | | Pattern - Red (8-bit) | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | 39 | * | * | 39 | 39 | | Pattern - Green (8-bit) | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | 40 | * | * | 40 | 40 | | Pattern - Blue (8-bit) | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | 41 | * | * | 41 | 41 | | Pattern - White (8-bit) | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | 42 | * | * | 42 | 42 | | Pattern - Colour macro | |
| | | | | | | 0-2 | No macro (0=default) | step |
| | | | | | | | <i>Macros 1-15 allow control of colour change speed from max. to min.</i> | |
| | | | | | | 3-8 | Macro 1 | proportional |
| | | | | | | 9-14 | Macro 2 | proportional |
| | | | | | | 15-20 | Macro 3 | proportional |
| | | | | | | 21-26 | Macro 4 | proportional |
| | | | | | | 27-32 | Macro 5 | proportional |
| | | | | | | 33-38 | Macro 6 | proportional |
| | | | | | | 39-44 | Macro 7 | proportional |
| | | | | | | 45-50 | Macro 8 | proportional |
| | | | | | | 51-56 | Macro 9 | proportional |
| | | | | | | 57-62 | Macro 10 | proportional |
| | | | | | | 63-68 | Macro 11 | proportional |
| | | | | | | 69-74 | Macro 12 | proportional |
| | | | | | | 75-80 | Macro 13 | proportional |
| | | | | | | 81-86 | Macro 14 | proportional |
| | | | | | | 87-92 | Macro 15 | proportional |
| | | | | | | 93-98 | Macro 16 | step |
| | | | | | | 99-104 | Macro 17 | step |
| | | | | | | 105-110 | Macro 18 | step |
| | | | | | | 111-255 | Raw DMX | proportional |
| * | 43 | * | * | 43 | 43 | | Pattern - 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 |

DMX protocol

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|----|----|-----|-----|-----|-----------|---|-----------------|
| 5 | 6 | 7 | 8 | 9 | 10 | | | |
| | | | | | | 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 |
| * | 44 | * | * | 44 | 44 | | Pattern - Dimmer intensity (8 bit) | |
| | | | | | | 0 - 255 | Dimmer intensity from 0% to 100% (255=default) | proportional |
| 26 | 45 | 32 | 32 | 45 | 45 | | Master 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 |
| 27 | 46 | 33 | 33 | 46 | 46 | | Master Dimmer intensity (8 bit) | |
| | | | | | | 0 - 255 | Dimmer intensity from 0% to 100% (0=default) | proportional |
| * | 47 | 34 | 34 | 47 | 47 | | Master Dimmer intensity - fine (16 bit) | |
| | | | | | | 0 - 255 | Fine dimming (0=default) | proportional |
| * | * | 35 | 35 | 48 | 48 | | Red pixel 1 | |
| | | | | | | 0-255 | Red LED saturation control 0-100% (0=default) | proportional |
| * | * | 36 | 36 | 49 | 49 | | Green pixel 1 | |
| | | | | | | 0-255 | Green LED saturation control 0-100% (0=default) | proportional |
| * | * | 37 | 37 | 50 | 50 | | Blue pixel 1 | |
| | | | | | | 0-255 | Blue LED saturation control 0-100% (0=default) | proportional |
| * | * | * | 38 | * | 51 | | White pixel 1 | |
| | | | | | | 0-255 | White LED saturation control 0-100% (0=default) | proportional |
| | | | | | | | : | |
| * | * | 89 | 107 | 102 | 120 | | Red pixel 19 | |
| | | | | | | 0-255 | Red LED saturation control 0-100% (0=default) | proportional |
| * | * | 90 | 108 | 103 | 121 | | Green pixel 19 | |
| | | | | | | 0-255 | Green LED saturation control 0-100% (0=default) | proportional |
| * | * | 91 | 109 | 104 | 122 | | Blue pixel 19 | |
| | | | | | | 0-255 | Blue LED saturation control 0-100% (0=default) | proportional |
| * | * | * | 110 | * | 123 | | White pixel 19 | |
| | | | | | | 0-255 | White LED saturation control 0-100% (0=default) | proportional |
| * function is active only 10 seconds after switching the fixture on | | | | | | | | |
| ** In the Tungsten effect simulation the Dimmer channel imitates behaviour of the halogen lamp during dimming | | | | | | | | |
| *** Select RGB or CMY mixing mode on channel "Power/Special functions" | | | | | | | | |
| Copyright © 2024 Robe Lighting s.r.o. - All rights reserved | | | | | | | | |