

DMX protocol

| Robin Tarrantula SmartWhite - DMX protocol | | | |
|--------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Version: 1.1 | | | |
| Channel Mode 1 | DMX Value | Function | Type of control |
| 1 | | Pan (8 bit) | |
| | 0 - 255 | Pan movement by 540° (128=default) | proportional |
| 2 | | Pan Fine (16 bit) | |
| | 0 - 255 | Fine control of pan movement (0=default) | proportional |
| 3 | | Tilt (8 bit) | |
| | 0 - 255 | Tilt movement by 220° (128=default) | proportional |
| 4 | | Tilt fine (16 bit) | |
| | 0 - 255 | Fine control of tilt movement (0=default) | proportional |
| 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 | |
| 6 | 2 - 255 | Time from 0.2 s to 25.5 sec. | proportional |
| | | Power/Special functions | |
| | 0 -9 | 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 15 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden.</i> | |
| | 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 |
| | 30-39 | Reserved | |
| | 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 |
| | 80-119 | Reserved | |
| | 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.</i> | | |
| 130 - 139 | Fixture reset (except pan/tilt) | | |
| 140 - 149 | Pan/Tilt reset | step | |
| 150 - 159 | Zoom reset /Beam Shaper reset (if it is installed in the fixture) | step | |
| 160 - 199 | Reserved | | |
| 200 - 209 | Total fixture reset | step | |
| 210 - 255 | Reserved | | |
| 7 | | Virtual colour wheel | |

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| Channel | DMX | Function | Type of control |
|-------------------------------------------------------------|-----------|---------------------------------------------------------|-----------------|
| Mode 1 | Value | | |
| | 0 | No function (0=default) | step |
| | 1-2 | White 3200K | step |
| | 3-4 | White 3800K | step |
| | 5-6 | White 4200K | step |
| | 7-8 | White 4600K | step |
| | 9-10 | White 5000K | step |
| | 11-12 | White 5600K | step |
| | 13-14 | White 6300K | step |
| | 15-16 | White 6500K | step |
| | 17-255 | Warm white --> Cool white | proportional |
| 8 | | Warm White (8 bit) | |
| | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 9 | | Warm White (16bit) | |
| | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 10 | | Cool White (8 bit) | |
| | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| 11 | | Cool White (16bit) | |
| | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| 12 | | Zoom | |
| | 0-255 | Zoom from max. to min.beam angle (128=default) | proportional |
| 13 | | Zoom - fine | |
| | 0-255 | Fine zooming (0=default) | proportional |
| 14 | | Beam Shaper | |
| | 0 | Beam Shaper in initial position | step |
| | 1-255 | Beam shaper indexing from 0.7° to 180° (128=default) | proportional |
| 15 | | 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 |
| 16 | | Dimmer intensity (8 bit) | |
| | 0 - 255 | Dimmer intensity from 0% to 100% (0=default) | proportional |
| 17 | | Dimmer intensity - fine (16 bit) | |
| | 0 - 255 | Fine dimming (0=default) | proportional |
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