

DMX protocol

| Robin 300 Plasma Wash - DMX protocol, version 1.1 | | | | | | |
|---|---|---|-----------|---|-----------------|--|
| Mode/channel | | | DMX Value | Function | Type of control | |
| 1 | 2 | 3 | | | | |
| 1 | 1 | 1 | | Pan | | |
| | | | 0 - 255 | Pan movement by 540° | proportional | |
| 2 | 2 | * | | Pan Fine | | |
| | | | 0 - 255 | Fine control of pan movement | proportional | |
| 3 | 3 | 2 | | Tilt | | |
| | | | 0 - 255 | Tilt movement by 260° | proportional | |
| 4 | 4 | * | | Tilt fine | | |
| | | | 0 - 255 | Fine control of tilt movement | proportional | |
| 5 | 5 | 3 | | Pan/Tilt speed , Pan/Tilt time | | |
| | | | 0 | Max. speed (tracking mode) | step | |
| | | | | <i>P./T. speed-set Speed Mode in menu: Pan/Tilt Mode</i> | | |
| | | | 1 - 255 | Speed from max. to min. (vector mode) | proportional | |
| | | | | <i>P./T. time - set Time Mode in menu: Pan/Tilt Mode</i> | | |
| | | | 1 - 255 | Time from 0.1 s to 25.5 sec. | proportional | |
| 6 | 6 | 4 | | Power/Special functions | | |
| | | | 0 -29 | Reserved | step | |
| | | | | <i>To activate following junctions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter/Strobe“ channel 17/15/13 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden).</i> | | |
| | | | 30-39 | Lamp power reduced if "Shutter/strobe" channel=0 DMX | step | |
| | | | 40-49 | Full Lamp power if "Shutter/strobe" channel=0 DMX | step | |
| | | | 50 - 59 | Pan/Tilt speed mode | step | |
| | | | 60 - 69 | Pan/Tilt time mode | step | |
| | | | 70 - 79 | Blackout while pan/tilt moving | step | |
| | | | 80 - 89 | Disabled blackout while pan/tilt moving | step | |
| | | | 90 - 99 | Blackout while colour wheel moving | step | |
| | | | 100 - 109 | Disabled blackout while colour wheel moving | step | |
| | | | 110 - 129 | Reserved | | |
| | | | | <i>To activate following functions, stop in DMX value for at least 3 seconds.</i> | | |
| | | | 130 - 139 | Lamp On,reset(total reset except pan/tilt reset) | step | |
| | | | 140 - 149 | Pan/Tilt reset | step | |
| | | | 150 - 159 | Colour system reset | step | |
| | | | 160 - 169 | Reserved | | |
| | | | 170 - 179 | Dimmer/Shutter reset | step | |
| | | | 180 - 189 | Zoom reset | step | |
| | | | 190 - 199 | Reserved | step | |
| | | | 200 - 209 | Total reset | step | |
| | | | 210 - 229 | Reserved | | |
| | | | 230 - 239 | Lamp Off | step | |
| | | | 240 - 255 | Reserved | | |
| 7 | 7 | 5 | | Colour wheel | | |
| | | | | <i>Continual positioning</i> | | |
| | | | 0 | Open/white | proportional | |
| | | | 16 | Deep red | proportional | |
| | | | 32 | Deep blue | proportional | |
| | | | 48 | Orange | proportional | |
| | | | 64 | Green | proportional | |

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|--------------|-----------|-----------|-----------|--|-----------------|
| 1 | 2 | 3 | | | |
| | | | 80 | Light red | proportional |
| | | | 96 | Amber | proportional |
| | | | 112 | UV filter | proportional |
| | | | 128-129 | White | step |
| | | | | Positioning | |
| | | | 130-137 | Deep red | step |
| | | | 138-145 | Deep blue | step |
| | | | 146-153 | Orange | step |
| | | | 154-163 | Green | step |
| | | | 164-171 | Light red | step |
| | | | 172-181 | Amber | step |
| | | | 182-189 | UV filter | step |
| | | | 190 - 215 | Forwards rainbow effect from fast to slow | proportional |
| | | | 216 - 217 | No rotation | step |
| | | | 218 - 243 | Backwards rainbow effect from slow to fast | proportional |
| | | | 244 - 249 | Random colour selection by audio control | step |
| | | | | (Set microphone sensitivity in menu „Personality“) | |
| | | | 250 - 255 | Auto random colour selection from fast to slow | proportional |
| 8 | * | * | | Colour wheel - fine positioning | |
| | | | 0 - 255 | Fine positioning | proportional |
| 9 | 8 | 6 | | Cyan | |
| | | | 0 - 255 | Cyan (0-white, 255-full cyan) | proportional |
| 10 | 9 | 7 | | Magenta | |
| | | | 0 - 255 | Magenta (0-white, 255-full magenta) | proportional |
| 11 | 10 | 8 | | Yellow | |
| | | | 0 - 255 | Yellow (0-white, 255-full yellow) | proportional |
| 12 | 11 | 9 | | CTO filter | |
| | | | 0 - 255 | (0-6000K, 255-3200K) | proportional |
| 13 | 12 | 10 | | CMY colour macros | |
| | | | 0 - 7 | No function | step |
| | | | 8 - 15 | Macro 1 | step |
| | | | 16 -23 | Macro 2 | step |
| | | | 24-31 | Macro 3 | step |
| | | | 32-39 | Macro 4 | step |
| | | | 40-47 | Macro 5 | step |
| | | | 48-55 | Macro 6 | step |
| | | | 56-63 | Macro 7 | step |
| | | | 64-71 | Macro 8 | step |
| | | | 72-79 | Macro 9 | step |
| | | | 80-87 | Macro 10 | step |
| | | | 88-95 | Macro 11 | step |
| | | | 96-103 | Macro 12 | step |
| | | | 104-111 | Macro 13 | step |
| | | | 112-119 | Macro 14 | step |
| | | | 120-127 | Macro 15 | step |
| | | | 128-135 | Macro 16 | step |
| | | | 136-143 | Macro 17 | step |
| | | | 144-151 | Macro 18 | step |
| | | | 152-159 | Macro 19 | step |
| | | | 160-167 | Macro 20 | step |

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| 1 | 2 | 3 | | | |
| | | | 168-175 | Macro 21 | step |
| | | | 176-183 | Macro 22 | step |
| | | | 184-191 | Macro 23 | step |
| | | | 192-199 | Macro 24 | step |
| | | | 200 - 207 | Macro 25 | step |
| | | | 208 - 215 | Macro 26 | step |
| | | | 216 - 223 | Macro 27 | step |
| | | | 224 - 231 | Macro 28 | step |
| | | | 232 - 239 | Macro 29 | step |
| | | | 240 - 243 | Macro 30 | proportional |
| | | | 244 - 249 | Random macro selection by audio control | step |
| | | | | (Set microphone sensitivity in menu "PErsonality") | |
| | | | 250 - 255 | Auto random macro selection from fast to slow | proportional |
| 14 | 13 | 11 | | CMY & CTO Speed | |
| | | | 0 - 255 | Speed of flags movement from max. to min. | proportional |
| 15 | 14 | 12 | | Zoom | |
| | | | 0 - 255 | Zoom from min. to max. beam angle | proportional |
| 16 | * | * | | Zoom - fine | |
| | | | 0-255 | Fine zooming | proportional |
| 17 | 15 | 13 | | Shutter/ strobe | |
| | | | 0 | Shutter closed (lamp power reduced to 20% of nomin. power)* | step |
| | | | 1-31 | Shutter closed (full lamp power) | step |
| | | | 32 - 63 | Shutter open, Full lamp power | step |
| | | | 64 - 95 | Strobe-effect from slow to fast | proportional |
| | | | 96 - 127 | Shutter open (full lamp power) | 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 (full lamp power) | proportional |
| | | | 192 - 223 | Random strobe-effect from slow to fast | proportional |
| | | | 224 - 255 | Shutter open (full lamp power) | step |
| 18 | 16 | 14 | | Dimmer intensity | |
| | | | 0 - 255 | Dimmer intensity from 0% to 100% | proportional |
| 19 | * | * | | Dimmer intensity - fine | |
| | | | 0 - 255 | Fine dimming | proportional |
| <p>* To reduce the lamp power set the value of 30-39 DMX at the channel "Power/Special functions" for temporary setting of the lamp power reduction or use the icon "Lamp menu" for permanent setting of the lamp power reduction</p> | | | | | |