

# DMX protocol

## Robin LedBeam 350/Robin LedBeam 350FW - DMX protocol

Version: 1.4 **Mode 1**-Standard 16-bit, **Mode 2** -Reduced 8-bit, **Mode 3** - Cpulse mode

| Mode/channel |   |   | DMX Value | Function                                                                                                                                                                                                                                   | Type of control |
|--------------|---|---|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1            | 2 | 3 |           |                                                                                                                                                                                                                                            |                 |
| 1            | 1 | 1 |           | <b>Pan (8 bit)</b>                                                                                                                                                                                                                         |                 |
|              |   |   | 0 - 255   | Pan movement by 540° or 450° (128=default)                                                                                                                                                                                                 | proportional    |
| 2            | 2 | 2 |           | <b>Pan Fine (16 bit)</b>                                                                                                                                                                                                                   |                 |
|              |   |   | 0 - 255   | Fine control of pan movement (0=default)                                                                                                                                                                                                   | proportional    |
| 3            | 3 | 3 |           | <b>Tilt (8 bit)</b>                                                                                                                                                                                                                        |                 |
|              |   |   | 0 - 255   | Tilt movement by 228° (128=default)                                                                                                                                                                                                        | proportional    |
| 4            | 4 | 4 |           | <b>Tilt fine (16 bit)</b>                                                                                                                                                                                                                  |                 |
|              |   |   | 0 - 255   | Fine control of tilt movement (0=default)                                                                                                                                                                                                  | proportional    |
| 5            | 5 | 5 |           | <b>Pan/Tilt speed , Pan/Tilt time</b>                                                                                                                                                                                                      |                 |
|              |   |   | 0         | Standard mode (0=default)                                                                                                                                                                                                                  | step            |
|              |   |   | 1         | Max. Speed Mode                                                                                                                                                                                                                            | step            |
|              |   |   |           | <b>Pan/Tilt speed mode</b>                                                                                                                                                                                                                 |                 |
|              |   |   | 2 - 255   | Speed from max. to min.                                                                                                                                                                                                                    | proportional    |
|              |   |   |           | <b>Pan/Tilt time mode</b>                                                                                                                                                                                                                  |                 |
|              |   |   | 2 - 255   | Time from 0.2 sec. to 25.5 sec.                                                                                                                                                                                                            | proportional    |
| 6            | 6 | 6 |           | <b>Power/Special functions</b>                                                                                                                                                                                                             |                 |
|              |   |   | 0 -19     | 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 20/15/22 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden.</i> |                 |
|              |   |   | 20-24     | Display On                                                                                                                                                                                                                                 | step            |
|              |   |   | 25-29     | 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            |
|              |   |   | 90-94     | Reserved                                                                                                                                                                                                                                   |                 |
|              |   |   | 95-99     | Pan 540°                                                                                                                                                                                                                                   | step            |
|              |   |   | 100-104   | Pan 450°                                                                                                                                                                                                                                   | step            |
|              |   |   | 105-109   | Quiet mode: Fans On at blackout                                                                                                                                                                                                            | step            |
|              |   |   | 110-114   | Quiet mode: Fans Off at blackout                                                                                                                                                                                                           | step            |
|              |   |   | 115 -129  | Reserved                                                                                                                                                                                                                                   |                 |
|              |   |   |           | <i>To activate following functions, stop in DMX value for at least 3 seconds. Corresponding menu items are temporarily overridden.</i>                                                                                                     |                 |
|              |   |   | 130 - 139 | Reserved                                                                                                                                                                                                                                   |                 |
|              |   |   | 140 - 149 | Pan/Tilt reset                                                                                                                                                                                                                             | step            |
|              |   |   | 150 - 159 | Zoom reset                                                                                                                                                                                                                                 | step            |

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| Mode/channel |   |   | DMX Value | Function                                                                                                                                                                                                                                                | Type of control |
|--------------|---|---|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1            | 2 | 3 |           |                                                                                                                                                                                                                                                         |                 |
|              |   |   | 160 - 169 | Reserved                                                                                                                                                                                                                                                | step            |
|              |   |   |           | <i>Tungsten effect simulation for whites 2700K-4200K</i>                                                                                                                                                                                                |                 |
|              |   |   | 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            |
|              |   |   | 182-199   | Reserved                                                                                                                                                                                                                                                |                 |
|              |   |   | 200 - 209 | Total fixture reset                                                                                                                                                                                                                                     | step            |
|              |   |   | 210 - 218 | Reserved                                                                                                                                                                                                                                                |                 |
|              |   |   |           | The following RoboSpot related commands are only applicable when the RoboSpot is connected:                                                                                                                                                             |                 |
|              |   |   | 219 - 220 | RoboSpot enabled                                                                                                                                                                                                                                        | step            |
|              |   |   | 221 - 222 | RoboSpot disabled - except handle faders and pan/tilt                                                                                                                                                                                                   | step            |
|              |   |   | 223 - 224 | RoboSpot fully disabled                                                                                                                                                                                                                                 | step            |
|              |   |   | 225-239   | Reserved                                                                                                                                                                                                                                                |                 |
|              |   |   | 240       | Disabled "Quiet mode"                                                                                                                                                                                                                                   | step            |
|              |   |   | 241 - 255 | Quiet mode - fan noise control from min. to max.                                                                                                                                                                                                        | proportional    |
| *            | * | 7 |           | <b>LED frequency selection</b>                                                                                                                                                                                                                          |                 |
|              |   |   |           | Factory display menu setting: 600Hz                                                                                                                                                                                                                     |                 |
|              |   |   |           | <i>Select PWM output frequency of LEDs (DMX mode 3 only). 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 overridden.</i> |                 |
|              |   |   | 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                                                                                                                                                                                                                                                    | step            |
|              |   |   | 30-255    | Reserved (fixture utilizes PWM frequency set in the display menu item Frequency Setup).                                                                                                                                                                 |                 |
| *            | * | 8 |           | <b>LED frequency fine adjusting</b>                                                                                                                                                                                                                     |                 |
|              |   |   |           | Factory display menu setting: 600Hz                                                                                                                                                                                                                     |                 |
|              |   |   |           | <i>Select desired PWM output frequency of LEDs on the channel above (DMX mode 3 only).</i>                                                                                                                                                              |                 |
|              |   |   | 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            |
|              |   |   | :         |                                                                                                                                                                                                                                                         |                 |

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| Mode/channel |          |          | DMX Value | Function                        | Type of control |
|--------------|----------|----------|-----------|---------------------------------|-----------------|
| 1            | 2        | 3        |           |                                 |                 |
|              |          |          | 252       | LED Frequency (step +124)       | step            |
|              |          |          | 253       | LED Frequency (step +125)       | step            |
|              |          |          | 254       | LED Frequency (step +126)       | step            |
|              |          |          | 255       | Selected LED Frequency          | step            |
| <b>7</b>     | <b>7</b> | <b>9</b> |           | <b>Virtual colour wheel</b>     |                 |
|              |          |          | 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            |

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| Mode/channel |    |    | DMX Value | Function                                                                                                                 | Type of control |
|--------------|----|----|-----------|--------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1            | 2  | 3  |           |                                                                                                                          |                 |
|              |    |    | 87-88     | Filter 165 (Daylight Blue)                                                                                               | step            |
|              |    |    | 89-90     | Filter 169 (Lilac Tint)                                                                                                  | step            |
|              |    |    | 91-92     | Filter 170 (Deep Lavender)                                                                                               | step            |
|              |    |    | 93-94     | Filter 172 (Lagoon Blue)                                                                                                 | step            |
|              |    |    | 95-96     | Filter 194 (Surprise Pink)                                                                                               | step            |
|              |    |    | 97-98     | Filter 180 (Dark Lavender)                                                                                               | step            |
|              |    |    | 99-100    | Filter 181 (Congo Blue)                                                                                                  | step            |
|              |    |    | 101-102   | Filter 197 (Alice Blue)                                                                                                  | step            |
|              |    |    | 103-104   | Filter 201 (Full C.T. Blue)                                                                                              | step            |
|              |    |    | 105-106   | Filter 202 (Half C.T. Blue)                                                                                              | step            |
|              |    |    | 107-108   | Filter 203 (Quarter C.T. Blue)                                                                                           | step            |
|              |    |    | 109-110   | Filter 204 (Full C.T. Orange)                                                                                            | step            |
|              |    |    | 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  | 10 |           | <b>Red/Cyan (8 bit)*</b>                                                                                                 |                 |
|              |    |    | 0 - 255   | Colour saturation control - coarse 0-100% (255=default)                                                                  | proportional    |
| 9            | *  | 11 |           | <b>Red/Cyan (16bit)*</b>                                                                                                 |                 |
|              |    |    | 0 - 255   | Colour saturation control - fine (255=default)                                                                           | proportional    |
| 10           | 9  | 12 |           | <b>Green/Magenta (8 bit) *</b>                                                                                           |                 |
|              |    |    | 0 - 255   | Colour saturation control - coarse 0-100% (255=default)                                                                  | proportional    |
| 11           | *  | 13 |           | <b>Green/Magenta (16bit) *</b>                                                                                           |                 |
|              |    |    | 0 - 255   | Colour saturation control - fine (255=default)                                                                           | proportional    |
| 12           | 10 | 14 |           | <b>Blue/Yellow (8 bit) *</b>                                                                                             |                 |
|              |    |    | 0 - 255   | Colour saturation control - coarse 0-100% (255=default)                                                                  | proportional    |
| 13           | *  | 15 |           | <b>Blue/ Yellow (16bit) *</b>                                                                                            |                 |
|              |    |    | 0 - 255   | Colour saturation control - fine (255=default)                                                                           | proportional    |
| 14           | 11 | 16 |           | <b>White (8 bit)</b>                                                                                                     |                 |
|              |    |    |           | <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           | *  | 17 |           | <b>White (16 bit)</b>                                                                                                    |                 |
|              |    |    | 0 - 255   | Colour saturation control - fine (255=default)                                                                           | proportional    |
| 16           | 12 | 18 |           | <b>CTC</b>                                                                                                               |                 |
|              |    |    |           | <i>If function "White Point 8000K" is On:</i>                                                                            |                 |
|              |    |    | 0-255     | Col. temperature correction from 8000K to 2700K -for whites only<br>(0=8000K, 64=5600K, 128=4200K, 192=3200K, 255=2700K) | proportional    |

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| Mode/channel                                                          |           |           | DMX Value | Function                                                                                                        | Type of control |
|-----------------------------------------------------------------------|-----------|-----------|-----------|-----------------------------------------------------------------------------------------------------------------|-----------------|
| 1                                                                     | 2         | 3         |           |                                                                                                                 |                 |
|                                                                       |           |           |           | To get colour temperatures stated above, RGBW channels have to be set at the same value e.g. 255DMX (0=default) |                 |
|                                                                       |           |           |           | <i>If function "White Point 8000K" is Off:</i>                                                                  |                 |
|                                                                       |           |           | 0-255     | Colour temperature correction for from cool white to 2700K                                                      | proportional    |
| <b>17</b>                                                             | <b>13</b> | <b>19</b> |           | <b>Colour Mix control</b>                                                                                       |                 |
|                                                                       |           |           |           | <i>Defines relation between colour channels</i>                                                                 |                 |
|                                                                       |           |           |           | "Virtual" = Virtual Colours (Virtual Colour Wheel)                                                              |                 |
|                                                                       |           |           |           | "Colour mix" = Colour channels (RGBW/CMY)                                                                       |                 |
|                                                                       |           |           | 0-9       | Virtual colors ("Virtual" has priority)                                                                         | step            |
|                                                                       |           |           | 10-19     | Maximum mode (highest values have priority)                                                                     | step            |
|                                                                       |           |           | 20-29     | Minimum mode (lowest values have priority)                                                                      | step            |
|                                                                       |           |           | 30-39     | Multiply mode (multiply Virtual and Colour Mix)                                                                 | step            |
|                                                                       |           |           | 40-49     | Addition mode (Virtual + Colour mix) (45=default)                                                               | step            |
|                                                                       |           |           | 50-59     | Subtraction mode (Virtual – Colour mix)                                                                         | step            |
|                                                                       |           |           | 60-69     | Inverted Subtraction mode (Virtual – Colour mix)                                                                | step            |
|                                                                       |           |           | 70-128    | Reserved                                                                                                        |                 |
|                                                                       |           |           | 129       | Virtual colors (virtual has priority)                                                                           | step            |
|                                                                       |           |           | 130-254   | Crossfade (crossfade between Virtual and Colour mix)                                                            | proportional    |
|                                                                       |           |           | 255       | Colour channels ("Colour mix" has priority)                                                                     | step            |
| <b>18</b>                                                             | <b>14</b> | <b>20</b> |           | <b>Zoom</b>                                                                                                     |                 |
|                                                                       |           |           | 0-255     | Zoom from max. to min.beam angle (128=default)                                                                  | proportional    |
| <b>19</b>                                                             | <b>*</b>  | <b>21</b> |           | <b>Zoom - fine</b>                                                                                              |                 |
|                                                                       |           |           | 0-255     | Fine zooming (0=default)                                                                                        | proportional    |
| <b>20</b>                                                             | <b>15</b> | <b>22</b> |           | <b>Shutter/ strobe</b>                                                                                          |                 |
|                                                                       |           |           | 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            |
| <b>21</b>                                                             | <b>16</b> | <b>23</b> |           | <b>Dimmer intensity (8 bit)</b>                                                                                 |                 |
|                                                                       |           |           | 0 - 255   | Dimmer intensity from 0% to 100% (0=default)                                                                    | proportional    |
| <b>22</b>                                                             | <b>*</b>  | <b>24</b> |           | <b>Dimmer intensity - fine (16 bit)</b>                                                                         |                 |
|                                                                       |           |           | 0 - 255   | Fine dimming (0=default)                                                                                        | proportional    |
| *Select RGB or CMY mixing mode on channel "Power/Special functions" . |           |           |           |                                                                                                                 |                 |
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| All Specifications subject to change without notice                   |           |           |           |                                                                                                                 |                 |

| Robin LEDBeam 350/Robin LEDBeam 350 FW - colours on Virtual Colour Wheel |           |             |            |             |
|--------------------------------------------------------------------------|-----------|-------------|------------|-------------|
| Colour name                                                              | Red (DMX) | Green (DMX) | Blue (DMX) | White (DMX) |
| Filter 4 (Medium Bastard Amber)                                          | 255       | 118         | 0          | 109         |
| Filter 25 (Sunset Red)                                                   | 255       | 47          | 0          | 3           |
| Filter 19 (Fire)                                                         | 255       | 13          | 0          | 0           |
| Filter 26 (Bright Red)                                                   | 255       | 0           | 0          | 0           |
| Filter 58 (Lavender)                                                     | 117       | 0           | 97         | 155         |
| Filter 68 (Sky Blue)                                                     | 31        | 219         | 105        | 6           |
| Filter 36 (Medium Pink)                                                  | 255       | 74          | 8          | 24          |
| Filter 89 (Moss Green)                                                   | 69        | 245         | 0          | 3           |
| Filter 88 (Lime Green)                                                   | 187       | 226         | 0          | 0           |
| Filter 90 (Dark Yellow Green)                                            | 2         | 255         | 0          | 0           |
| Filter 49 (Medium Purple)                                                | 255       | 0           | 27         | 0           |
| Filter 52 (Light Lavender)                                               | 232       | 88          | 6          | 166         |
| Filter 102 (Light Amber)                                                 | 223       | 164         | 0          | 0           |
| Filter 103 (Straw)                                                       | 191       | 144         | 0          | 28          |
| Filter 140 (Summer Blue)                                                 | 0         | 149         | 3          | 220         |
| Filter 124 (Dark Green)                                                  | 29        | 255         | 0          | 12          |
| Filter 106 (Primary Red)                                                 | 242       | 1           | 1          | 0           |
| Filter 111 (Dark Pink)                                                   | 255       | 67          | 11         | 49          |
| Filter 115 (Peacock Blue)                                                | 0         | 255         | 29         | 43          |
| Filter 126 (Mauve)                                                       | 255       | 0           | 39         | 0           |
| Filter 117 (Steel Blue)                                                  | 179       | 255         | 14         | 197         |
| Filter 118 (Light Blue)                                                  | 0         | 255         | 76         | 30          |
| Filter 122 (Fern Green)                                                  | 98        | 255         | 0          | 4           |
| Filter 182 (Light Red)                                                   | 255       | 16          | 2          | 0           |
| Filter 121 (Filter Green)                                                | 165       | 255         | 0          | 0           |
| Filter 128 (Bright Pink)                                                 | 255       | 0           | 13         | 32          |
| Filter 131 (Marine Blue)                                                 | 73        | 245         | 27         | 30          |
| Filter 132 (Medium Blue)                                                 | 0         | 230         | 120        | 0           |
| Filter 134 (Golden Amber)                                                | 166       | 83          | 0          | 0           |
| Filter 135 (Deep Golden Amber)                                           | 255       | 50          | 0          | 0           |
| Filter 136 (Pale Lavender)                                               | 140       | 101         | 25         | 40          |
| Filter 137 (Special Lavender)                                            | 110       | 60          | 45         | 102         |
| Filter 138 (Pale Green)                                                  | 241       | 255         | 4          | 48          |
| Filter 798 (Chrysalis Pink)                                              | 49        | 0           | 98         | 26          |
| Filter 141 (Bright Blue)                                                 | 0         | 225         | 62         | 5           |
| Filter 147 (Apricot)                                                     | 190       | 107         | 0          | 15          |
| Filter 148 (Bright Rose)                                                 | 255       | 3           | 0          | 37          |
| Filter 152 (Pale Gold)                                                   | 179       | 119         | 0          | 39          |
| Filter 154 (Pale Rose)                                                   | 214       | 118         | 0          | 48          |
| Filter 157 (Pink)                                                        | 255       | 56          | 5          | 43          |
| Filter 143 (Pale Navy Blue)                                              | 0         | 193         | 67         | 148         |
| Filter 162 (Bastard Amber)                                               | 211       | 153         | 6          | 36          |
| Filter 164 (Flame Red)                                                   | 255       | 27          | 0          | 4           |
| Filter 165 (Daylight Blue)                                               | 23        | 236         | 93         | 81          |
| Filter 169 (Lilac Tint)                                                  | 185       | 123         | 0          | 109         |
| Filter 170 (Deep Lavender)                                               | 235       | 123         | 41         | 37          |
| Filter 172 (Lagoon Blue)                                                 | 0         | 255         | 63         | 5           |

| <b>Colour name</b>                     | <b>Red<br/>(DMX)</b> | <b>Green<br/>(DMX)</b> | <b>Blue<br/>(DMX)</b> | <b>White<br/>(DMX)</b> |
|----------------------------------------|----------------------|------------------------|-----------------------|------------------------|
| Filter 194 (Surprise Pink)             | 110                  | 0                      | 21                    | 255                    |
| Filter 180 (Dark Lavender)             | 136                  | 43                     | 181                   | 120                    |
| Filter 181 (Congo Blue)                | 24                   | 0                      | 255                   | 9                      |
| Filter 197 (Alice Blue)                | 79                   | 193                    | 154                   | 36                     |
| Filter 201 (Full C.T. Blue)            | 153                  | 223                    | 66                    | 156                    |
| Filter 202 (Half C.T. Blue)            | 255                  | 248                    | 34                    | 116                    |
| Filter 203 (Quarter C.T. Blue)         | 245                  | 213                    | 14                    | 147                    |
| Filter 204 (Full C.T. Orange)          | 230                  | 131                    | 3                     | 3                      |
| Filter 219 (Fluorescent Green)         | 99                   | 148                    | 16                    | 50                     |
| Filter 206 (Quarter C.T. Orange)       | 199                  | 152                    | 0                     | 60                     |
| Filter 247 (Filter Minus Green)        | 255                  | 79                     | 0                     | 187                    |
| Filter 248 (Half Minus Green)          | 255                  | 138                    | 0                     | 112                    |
| Filter 281 (Three Quarter C.T. Blue)   | 225                  | 255                    | 99                    | 189                    |
| Filter 285 (Three Quarter C.T. Orange) | 181                  | 121                    | 0                     | 15                     |
| Filter 352 (Glacier Blue)              | 0                    | 161                    | 49                    | 90                     |
| Filter 353 (Lighter Blue)              | 0                    | 115                    | 21                    | 97                     |
| Filter 507 (Madge)                     | 255                  | 31                     | 0                     | 0                      |
| Filter 778 (Millennium Gold)           | 255                  | 65                     | 0                     | 0                      |
| Filter 793 (Vanity Fair)               | 255                  | 0                      | 13                    | 16                     |
|                                        |                      |                        |                       |                        |