

RobLight



DMX installation

Control manual for FL 1000/1100 (DMX model)

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Factory default setting:

Factory default Address settings are as follows:

Electronically setting:

CH1 dimming 0-100%

CH2 Dimming 16 bit (High resolution 65536 levels).

Mecannically setup directly on the hardware inside the unit:

CH3 DMX addressable special functions.

CH4 Colour wheel.

CH5 Twinkle wheel.

Factory custom set up addresses:

You can order a custom addressing (part number 9903 0071) of the unit when ordering the light generators. The light generators will be supplied with a label informing about the settings.

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Setting up addressing on site.

Please note that the following steps requires a skilled technician. And that working on a light generator with requires a trained electrician. Use caution!

On www.eldoled.com/software download software for eldoLED TOOLbox pro:

eldoLED FluxTool software v1.04 WIN.zip
eldoLED FluxTool software v1.04 MAC.zip
eldoLED Showmaster DMX software v 1.5.zip

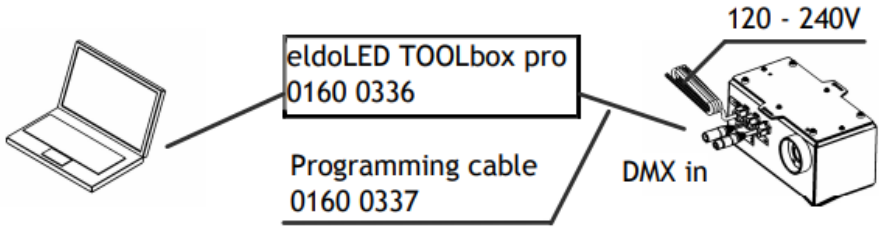
Download and follow user manuals in: User manuals/Accessories/User Manual TOOLbox PC Software v1.0.pdf. Connect TOOLbox and follow eldoLED manual.

According to DMX protocol driver address should be set to light generator desired DMX address. Driver:
Channel 1: Dimming 0-100% light
Channel 2: Dimming. Fine resolution, 16 bit (LSB: Least Significant Bit).

(One DMX channel represents a number from 0 to 255 which is a 8 bits number. In order to have more than 256 DMX steps, two channels can be combined (256 times 256). This is called 16 bits resolution)

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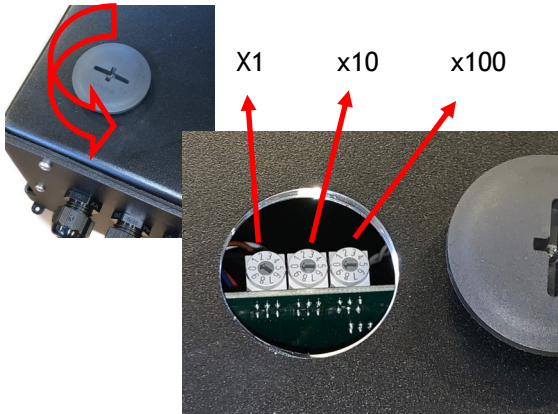
Connect TOOLbox as shown and follow eldoLED manual.



Wheel control board code on driver. Wheel must be set to driver DMX address +2.

Example:

DMX address 1 on driver - wheel sets to address 3
DMX address 8 on driver - wheel sets to address 10.



| Light generator channel | Driver | Wheel control board |
|-------------------------|--------|---------------------|
| CH 1 | 1 | 3 |
| CH 2 | 2 | 4 |
| CH 3 | 3 | 5 |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| CH 508 | 508 | 510 |

When the light generator is addressed replace the sealing

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DMX protocol

(Factory default address setting)

| | |
|--------------------------|-------------------------------|
| CH 1 0 - 255 | 0 - 100% light intensity |
| CH 2 0 - 255 | Hi - res 16 bit dimming (LSB) |
| Control: | 5 sec. delay on all functions |
| CH 3 000 - 050 | Not assigned |
| 051 - 070 | Shortest mode |
| 071 - 080 | Not assigned |
| 081 - 100 | Linear mode |
| 101 - 120 | Not assigned |
| 121 - 144 | Reset wheel |
| 145 - 160 | Not assigned |
| 161 - 179 | Reset wheel |
| 180 - 255 | Not assigned |








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|-----------|---|
| CH 4 | <u>Colour wheel:</u> |
| 000 - 200 | Position of wheel |
| 000 / 200 | White |
| 033 | Green |
| 067 | Orange |
| 100 | Blue |
| 133 | Red |
| 167 | Yellow |
| 201 - 205 | Not assigned |
| 206 - 207 | Variable speed of rotation clockwise (10 rpm.) |
| 208 - 210 | Variable speed of rotation clockwise (5 rpm.) |
| 211 - 212 | Variable speed of rotation clockwise (3 rpm.) |
| 213 - 215 | Variable speed of rotation clockwise (2 rpm.) |
| 216 - 219 | Variable speed of rotation clockwise (1 rpm.) |
| 220 | Variable speed of rotation clockwise (0.8 rpm.) |
| 221 - 223 | Variable speed of rotation clockwise (0.6 rpm.) |
| 224 - 225 | Variable speed of rotation clockwise (0.4 rpm.) |
| 226 - 228 | Variable speed of rotation clockwise (0.2 rpm.) |
| 229 - 230 | Variable speed of rotation clockwise (0.1 rpm.) |
| 231 - 232 | Variable speed of rotation counter clockwise (10 rpm.) |
| 233 - 235 | Variable speed of rotation counter clockwise (5 rpm.) |
| 236 - 237 | Variable speed of rotation counter clockwise (3 rpm.) |
| 238 - 240 | Variable speed of rotation counter clockwise (2 rpm.) |
| 241 - 244 | Variable speed of rotation counter clockwise (1 rpm.) |
| 245 | Variable speed of rotation counter clockwise (0.8 rpm.) |
| 246 - 248 | Variable speed of rotation counter clockwise (0.6 rpm.) |
| 249 - 250 | Variable speed of rotation counter clockwise (0.4 rpm.) |
| 251 - 253 | Variable speed of rotation counter clockwise (0.2 rpm.) |
| 254 - 255 | Variable speed of rotation counter clockwise (0.1 rpm.) |

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| | |
|-----------|--|
| CH 5 | <u>Twinkle wheel:</u> |
| 000 - 200 | Position of wheel |
| 000 / 167 | White / open |
| 033 - 133 | Only twinkle |
| 201 - 205 | Not assigned |
| 206 - 207 | Variable speed of rotation clockwise (10 rpm.) |
| 208 - 210 | Variable speed of rotation clockwise (5 rpm.) |
| 211 - 212 | Variable speed of rotation clockwise (3 rpm.) |
| 213 - 215 | Variable speed of rotation clockwise (2 rpm.) |
| 216 - 219 | Variable speed of rotation clockwise (1 rpm.) |
| 220 | Variable speed of rotation clockwise (0.8 rpm.) |
| 221 - 223 | Variable speed of rotation clockwise (0.6 rpm.) |
| 224 - 225 | Variable speed of rotation clockwise (0.4 rpm.) |
| 226 - 228 | Variable speed of rotation clockwise (0.2 rpm.) |
| 229 - 230 | Variable speed of rotation clockwise (0.1 rpm.) |
| 231 - 232 | Variable speed of rotation counter clockwise (10 rpm.) |
| 233 - 235 | Variable speed of rotation counter clockwise (5 rpm.) |
| 236 - 237 | Variable speed of rotation counter clockwise (3 rpm.) |
| 238 - 240 | Variable speed of rotation counter clockwise (2 rpm.) |
| 241 - 244 | Variable speed of rotation counter clockwise (1 rpm.) |
| 245 | Variable speed of rotation counter clockwise (0.8 rpm.) |
| 246 - 248 | Variable speed of rotation counter clockwise (0.6 rpm.) |
| 249 - 250 | Variable speed of rotation counter clockwise (0.4 rpm.) |
| 251 - 253 | Variable speed of rotation counter clockwise (0.2 rpm.) |
| 254 - 255 | Variable speed of rotation counter clockwise (0.1 rpm.) |

Accessories/spare parts

| | Part name | Description | Ordering |
|---|---------------------------------------|-----------------------------|-----------|
|  | DMX cable 2.5 m XLR plugs | | 9903 0056 |
|  | DMX cable 5 m XLR plugs | | 9903 0052 |
|  | DMX cable 10 m XLR plugs | | 9903 0057 |
|  | DMX cable 11 to 50 m XLR plugs | | 9903 0058 |
|  | DMX cable 51 to 100 m XLR plugs | | 9903 0059 |
|  | DMX 512 Sunlite control unit USB | | 0160 0302 |
|  | Netdel 100-240VAC / 5VDC | | 6708 0002 |
| | Starter kit DMX | Cabels, TOOLbox, Sunlite | 0126 8300 |
| | Factory DMX addressing | | 9903 0071 |
| | DMX control unit programming per hour | | 9903 0070 |

If problems is not solved using this guide please contact Roblight A/S

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