

RobLight



DMX installation

Control manual for FL 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

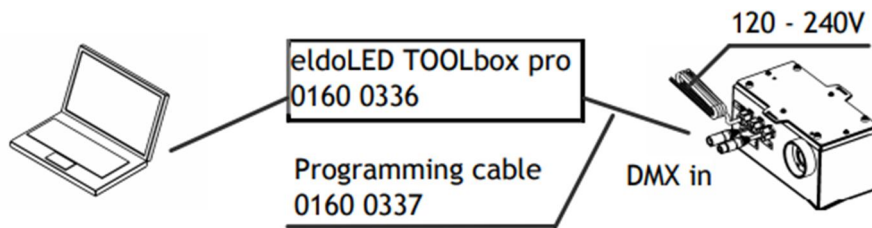
Download and follow user manuals in: User manuals/Accessories/User Manual TOOLbox PC Software v1.0.pdf. Connect TOOLbox and follow eldoLED manual.

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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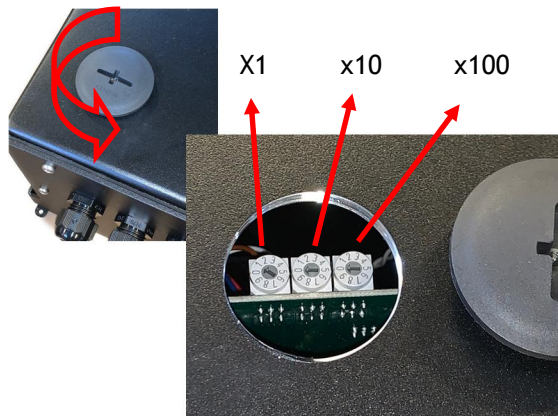
Connect TOOLbox as shown and follow eldoLED manual.



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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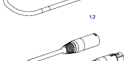



CH 4	
000 - 200	Colour wheel: Position of wheel
000 / 200	White
033	Green
067	Orange
100	Blue
133	Red
167	Yellow
201 - 205	Not assigned
206 - 207	Variable speed of rotation clockwise (10 rpm.)
208 - 210	Variable speed of rotation clockwise (5 rpm.)
211 - 212	Variable speed of rotation clockwise (3 rpm.)
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	
000 - 200	Twinkle wheel: 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.)

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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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RobLight A/S, Nordhavnsvej 1A, DK-9900 Frederikshavn
 T: +45 9244 4888, E: info@rob-light.com
 www.rob-light.com

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