

A9915055 Toolbox Pro

Tool for creating and uploading show sequences

Using the TOOLbox PC software in combination with the TOOLbox pro dongle, you can configure the eldoLED driver/controller that is driving your LED lighting application, send DMX set points to the driver/controller, create show sequences, manage show libraries and upload show sequences to the driver/controller. Upload the shows you create with the toolbox via the Dimwheel's DMX-IN connectors.

First install the software, then connect the hardware parts: do not connect the TOOLbox dongle to your PC until the TOOLbox PC software (chapter 2 "Installing the TOOLbox PC software") and the USB driver (3.3.1 "Installing the USB driver for the TOOLbox dongle") have been successfully installed.

PC system requirements:

The minimum PC requirements for running the TOOLbox PC software are:

- 1GHz Pentium 4 processor
- 256MB of RAM
- a USB port
- Microsoft Windows XP and Vista operating system
- .NET Framework version 2.0 or higher (.NET Framework is part of your Windows operating system)

To install the TOOLbox PC software, carry out the following steps:

1. Go to www.eldoled.com/software.
2. Download the TOOLbox PC software and save it to your PC. You will be asked to agree to the eldoLED software license agreement before you can save the application to your PC.
3. Run the setup file either by going to the location where you saved the application and double-clicking the file or by selecting the file via the Start button and Run.






The TOOLbox PC software's install wizard will guide you through the setup of the application on your system.

For more information please download the manual

Included connecting cables:

- 1m RJ45 / R,J45
- 1m USB-A Mini / USB-A



KG  0.03	Operat. Power  USB conn.	Class  Class III	IP-20  IP-20	Dimensions  L 73 mm W 26 mm H 26 mm
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- Weight: 30 g / 1.06 oz

Connectors TOOLbox pro

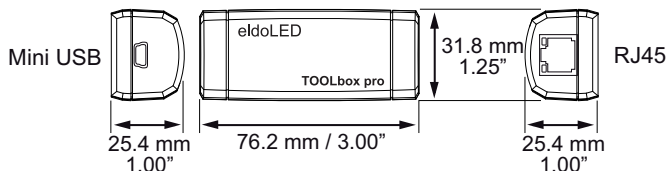
- Data in: mini USB
- Data out: RJ45: DMX: pin 1 (DMX+), 2 (DMX-) and 7 (DMX shield)
DALI: pin 4 (DALI -) and 5 (DALI +)
LEDcode: pin 6 (LEDcode+) and pin 8 (LEDcode-)

Certifications

- CE

Environmental ratings

- Ta range: -20°C...+50°C / -4°F...+122°F



Working with the TOOLbox pro and FluxTool application

Flexibility is one of eldoLED drivers' key benefits. Use the TOOLbox pro and the FluxTool application to perfectly match your driver to your application. This quick start guide shows you how to go about it.

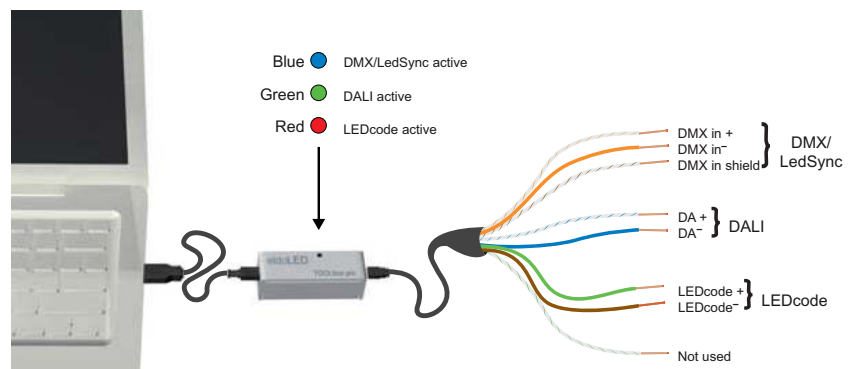
1. What you need

- Microsoft Windows XP, Vista or 7
Mac OS 10.6 or higher
- TOOLbox pro (TLU20502). Cables are included.
- FluxTool application: download at www.eldoled.com/software

2. Installing the FluxTool application

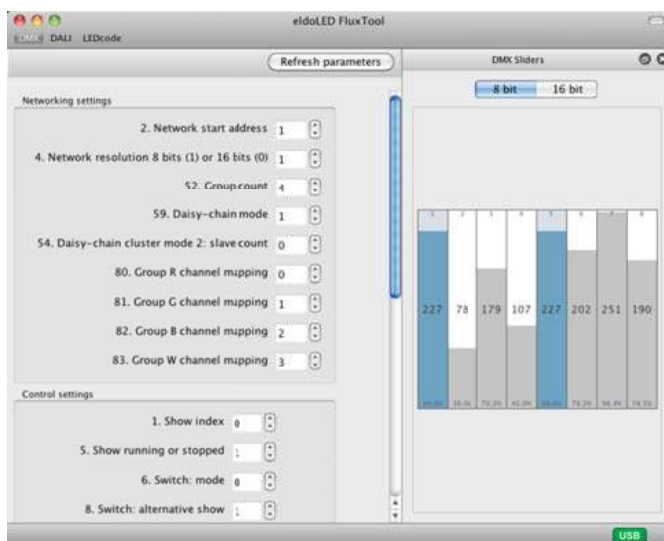
1. Windows: run the FluxTool setup. After the installation, manually install the FluxTool driver, which can be found in the FluxTool folder.
2. Mac OS: drag the FluxTool icon into your Applications folder.

3. Connecting the TOOLbox pro



In order for the FluxTool application to detect the LED driver, the driver must be powered on. Never connect more than one driver at a time.

4. Configuration and control via DMX menu



DMX / LedSync menu

Parameter configuration:

You can finetune your driver with the LedSync parameters:

1. Press the 'Refresh parameters' button to download your driver's current settings to your FluxTool screen.
2. Make any required changes in the appropriate fields.



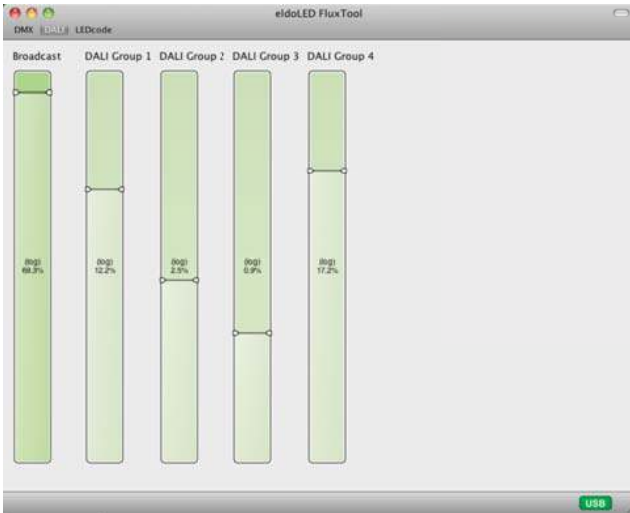
Only make changes you are sure of, as changes are saved to the driver immediately. Some parameters can cause damage to driver or LEDs when set to an incorrect value.

For a full description of all available LedSync parameters, refer to Addendum sheet DMX/LedSync parameters.

DMX sliders

The FluxTool application features a built-in 8-slider DMX controller to test the settings on your light fixture. This controller can be used with an 8- or 16-bit network resolution. Make sure the connected driver has been configured for the same network resolution (parameter 4 in the left-hand pane).

4. Control via DALI menu



DALI menu

Use the DALI menu to test your DALI compatible light fixture. The FluxTool's DALI menu does not have any DALI configuration or commissioning capabilities.

The DALI tab features 5 sliders:

Broadcast

Lets you set the same intensity for all DALI groups in one go.

DALI Group 1 - 4

Allows you to set the intensity of the first 4 DALI groups. These groups are not equivalent to your driver's LED output groups, but refer to the DALI groups that your LED driver is associated with.

4. Configuration and control via LEDcode menu



LEDcode menu

The LEDcode interface brings the programmability of eldoLED drivers to a higher level:

Currents

Lets you set the output current for each LED output individually, from 200mA up to 1,050mA, in 1mA steps. Note that changes are saved to LED driver realtime!

Dimming curve

Allows you to select a logarithmic or linear dimming curve to optimize dimming performance by attuning the dimming curve to the dimmer type. Contact the eldoLED sales team for the latest status on compatibility. To save your selection to the driver, press the Write button.


Minimum dimming level

Can be set to any value between 0.1% and 100%. To save your selection to the driver, press the Write button.

NTC throttling temperature

Lets you set the throttling temperature of the connected thermistor (optional). To save your selection to the driver, press the Write button.

The slider at the right-hand side lets you mimick a broadcast setpoint to the connected LED driver.

 The settings shown in the LEDcode tab at start-up or when connecting another driver are default settings; these settings are NOT read from the driver!

5. Compatibility with eldoLED drivers

eldoLED driver	DMX/LedSync	DALI	LEDcode
In-fixture LED drivers	YES	NO	NO
LED drivers (12-32VDC)	YES	YES*	NO
LED drivers (120-277VAC): SOLOdrive 0-10V	NO	NO	YES
LED drivers (120-277VAC): SOLOdrive DALI and DUALdrive	NO	YES	YES
LED drivers (120-277VAC): POWERdrive and LINEARdrive	YES	YES	NO

* only applies to LINEARdrive 720D and POWERdrive 45D, 90D and 180D

Configuring eldoLED LED drivers

eldoLED driver	Features display*	Fluxtool			ShowMaster DMX
		DMX/LedSync	DALI**	LEDcode	
L/LM/V Series (excl. VSS)	NO	YES	NO	NO	YES
ECOdrive 15D/30D/45D	YES	YES	NO	NO	YES
POWERdrive 45D/90D/180D	YES	YES	YES	NO	YES
LINEARdrive 100D/180D	YES	YES	NO	NO	YES
LINEARdrive 720D	YES	YES	YES	NO	YES
LINEARdrive 210D/220D	NO	NO	YES	NO	NO
LINEARdrive 212D/222D	NO	YES	NO	NO	YES
SOLOdrive 561/564/566/1061	NO	NO	NO	YES	NO
SOLOdrive 560/565/1060	NO	NO	YES	YES	NO
DUALdrive 560/1060	NO	NO	YES	YES	NO
POWERdrive 561/562	NO	YES	NO	NO	YES
POWERdrive 106	YES	YES	YES	NO	YES
LINEARdrive 100	YES	YES	YES	NO	YES

* Note that if you set a parameter with the FluxTool software, its value will be overwritten when you change and save the same parameter over the driver's display!

** The FluxTool's DALI functionality consists of sliders with which you can test light output.

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Other documentation and support

Visit www.eldoled.com/support for further documentation such as quick start guide, wiring diagram, tech sheet and 3D IGES files.

Warranty

eldoLED represents and warrants that for a period of 3 (three) years, as of the date of invoice, Products materially meet the specifications and specifically agreed upon quality, both as stated in the applicable datasheet and/or written design-in specifications, or as stated in writing otherwise by eldoLED, provided that these specifications are explicitly designated by eldoLED as "warranted specifications".

For the complete warranty text, visit www.eldoled.com/terms.

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