eldoLE...

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Working with the TOOLbox pro and FluxTool application – TLU20504 and TLU20505

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.
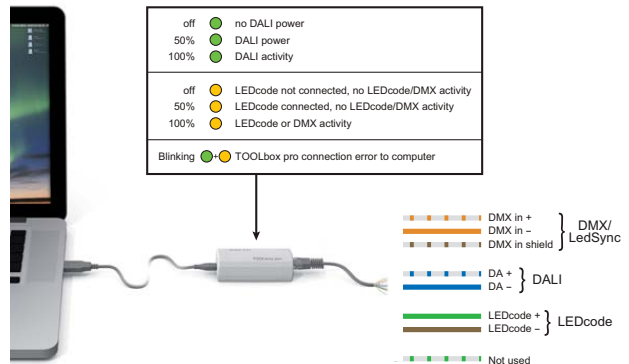
What you will need to get started

— 64-bit Microsoft Windows Vista, 7 or 8; or Mac OS X 10.9 or 10.10
— TOOLbox pro (TLU20504 and TLU20505). Cables are included.
— FluxTool v4.5.27 application: download at your driver product page or the TOOLbox pro product page.

1. Installing the FluxTool application

— **Windows:** Run the FluxTool setup. After the installation, make sure to also install the TOOLbox driver.
— **MAC OS:** Drag the FluxTool icon into your applications folder.

⚠ CAUTION: TOOLbox pro has not been designed for direct connection to a main outlet.

2. Connecting the TOOLbox pro

off	🟢	no DALI power
50%	🟢	DALI power
100%	🟢	DALI activity

off	🟡	LEDcode not connected, no LEDcode/DMX activity
50%	🟡	LEDcode connected, no LEDcode/DMX activity
100%	🟡	LEDcode or DMX activity

Blinking 🟢+🟡 TOOLbox pro connection error to computer

DMX in + / DMX in − / DMX in shield } DMX/LedSync
DA + / DA − } DALI
LEDcode + / LEDcode − } LEDcode
Not used

ⓘ 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.

### TOOLbox pro for AC powered driver programming

FluxTool

eldoLED TOOLbox pro

TLU20504 and TLU20505

~ AC

TOOLbox pro and TOOLbox adapter for non-AC powered driver programming

FluxTool

eldoLED TOOLbox pro → eldoLED TOOLbox adapter →

TLU20504 and TLU20505   TLA20501 and TLA20502   Not AC powered

		TOOLbox pro TLU20504	TOOLbox adapter for mainsless programming TLA20501	TOOLbox pro TLU20505	TOOLbox adapter for mainsless programming TLA20502
Product Family	**ECOdrive SFF**	no	no	yes	yes
	SOLOdrive SFF	no	no	yes	yes
	ECOdrive	yes (excluding DC2DC option)	yes (excluding DC2DC option)	yes (excluding DC2DC option)	yes (excluding DC2DC option)
	SOLOdrive	yes	yes	yes	yes
	DUALdrive	yes	yes	yes	yes
	POWERdrive	yes (excluding DC option)	yes (excluding 50W)	yes (only for 50W)	no
	DUTYdrive	yes	yes	yes	yes
	LINEARdrive	yes (only for limited DC & AC DALI/DMX options)	yes (only for limited DC & AC DALI/DMX options)	yes (only for limited DC options)	yes (only for limited DC options)

3a. Configuration and control via DMX menu
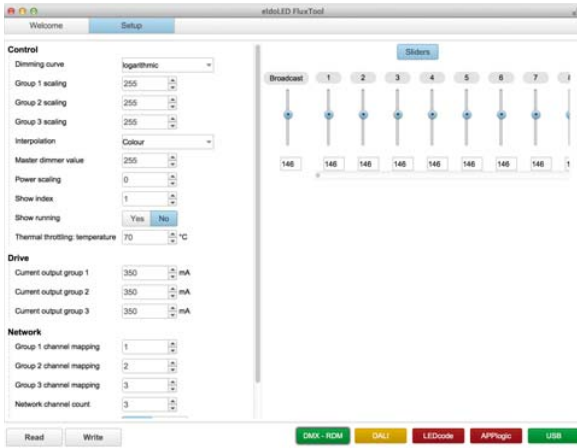
DMX menu

When starting the FluxTool software, a Welcome screen is shown first. In this screen you can see if the TOOLbox pro is correctly connected to your LED driver and computer, and your driver is identified.

Parameter configuration
You can finetune your driver with the DMX parameters:

1. Open the Setup tab to download your driver's current settings to your FluxTool screen.

2. Make any required changes in the appropriate fields and click the "Write" button at the bottom to save the changes to the driver.

⚠️ Only make changes you are sure of. Some parameters can cause damage to LEDs when set to an incorrect value.

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

Sliders
The FluxTool application features one Broadcast slider and 512 DMX address sliders to test the settings on your luminaire.

3b. Control via DALi menu in the Setup tab

DALI menu

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

⚠️ Do not use this application as a DALI controller.

The DALI tab features several sliders:

Broadcast
Lets you set the same intensity for all DALI groups in one go.
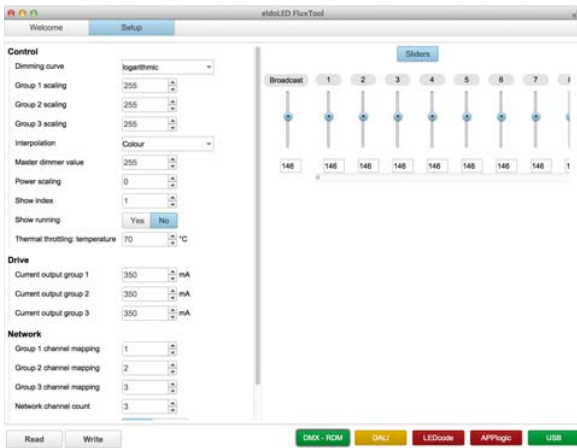
DALI Group 0-15
Lets you set the intensity of the DALI groups. These groups are not equivalent to your driver's LED output groups, but refer to the DALI groups that your LED driver is associated with.

DALI Short Address 0-63
Lets you set the intensity of the DALI Short addresses.

3c. Configuration and control via LEDcode menu

LEDcode menu

⚠️ At start-up, the settings are read from the driver. However, when you connect a different LED driver, you do need to refresh the settings: click the Read button at the bottom.

The LEDcode tab lets you set:

Drive: Current output group
Lets you set the output current for each LED output individually. Changes are saved to LED driver when the Write button is pressed.

Dimming curve
Lets you select a dimming curve to optimize dimming performance by attuning the dimming curve to the dimmer type.

Minimum dimming level
Allows you to set a minimum dimming level. The range within which you can set this value depends on your LED driver.

NTC throttling temperature
Lets you set the throttling temperature of the connected thermistor (optional).

To load the actual driver settings into your FluxTool screen, click the Read button. To save new settings to the driver for Dimming curve, Minimum dimming level and NTC temperature, click the Write button. The slider at the right-hand side lets you mimick a broadcast setpoint to the connected LED driver.

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