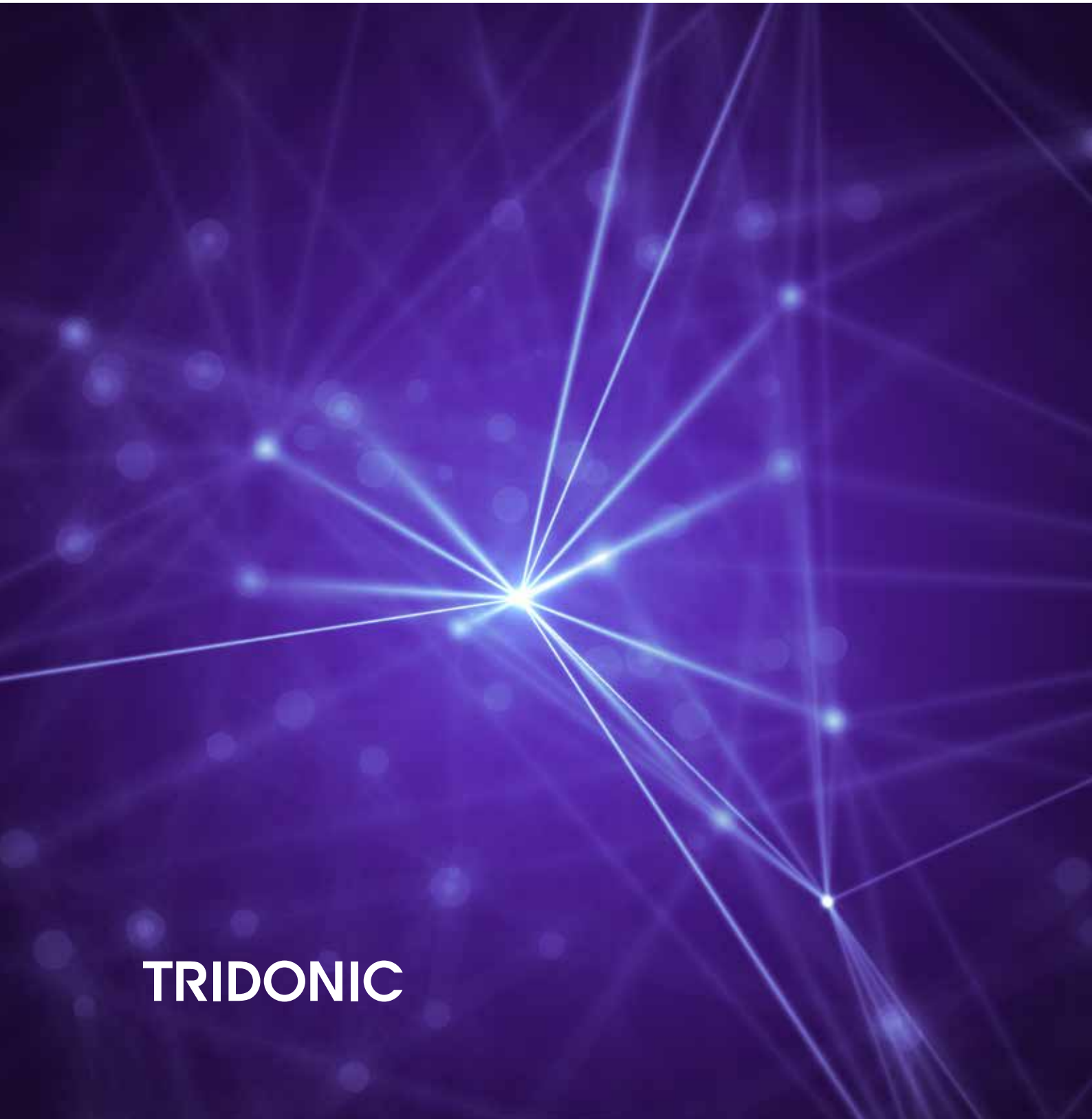
companionSUITE

4service NFC

Manual



TRIDONIC

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Contents

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4service NFC App Quick start guide

What is the 4service NFC App?

The 4service NFC app enables quick and easy configuration and analysis of Tridonic LED Drivers. This makes the work of installation engineers, maintenance officers and employees in similar fields significantly easier.

What can the 4service NFC App be used for?

The following functions can be configured via the app, provided they are supported by the respective LED Driver.

Set the driver parameters

- LED output current:
  Set the LED output current (in mA) to adjust the brightness
- Device operating mode:
  Selection of the device operating mode (DALI, corridorFUNCTION, chronoSTEP, etc.)
- DALI addressing:
  Set the DALI short address
- corridorFUNCTION:
  Configuration of the corridorFUNCTION (light level, fade times, etc.)
- chronoSTEP:
  Configuration of the chronoSTEP profiles

Easily transfer driver parameter settings

With the copy function, you can quickly and easily copy a device's settings to identical devices. This saves time when replacing faulty devices and when commissioning several identical luminaires.

Transfer configurations from deviceGENERATOR

With the app, configuration files that were created with the deviceGENERATOR (ending: *.trgf) can also be transferred to LED Drivers.

Driver analysis

If an LED Driver is faulty, the data memory can be read out. This means an initial analysis of the causes is already possible on site.

What is needed to use the 4service NFC App?

The following prerequisites must be met before you can use the app:

- Use of an LED driver with NFC interface from Tridonic
- NFC scanner with Zhaga Book 25 (NFC readers with Bluetooth® interface for in-field programming) support e.g. Feig ID ECCO Smart 2D-TR. Alternatively, the internal NFC reader can also be used on different Android an iOS smartphones
- Active Internet connection for first-time use and for updates. An Internet connection is not absolutely necessary for ongoing operation. To ensure that the app works properly, however, the device-specific data must always be current, i.e. regularly updated.
- If any of the driver's functions are protected by the luminaire manufacturer (e.g. by a password), these cannot be changed even with the app

Starting screen:

Settings:
With this button the settings menu can be opened.

Update:
Shows when the device list was updated. The update is done automatically if new devices are available.

Connect Bluetooth device:
With this button an external NFC reader can be connected.

Scan QR code:
With this button QR codes which can be found on Tridonic LED drivers and other products can be scanned to get more information about them.

Internal NFC antenna:
With this button it is possible to use the internal NFC antenna of a smartphone to read-out and program a Tridonic driver. After pressing this button, the smartphone needs to be placed on the marked area of the driver to read it out. Please be aware that depending on the used smartphone this might not work with every driver.

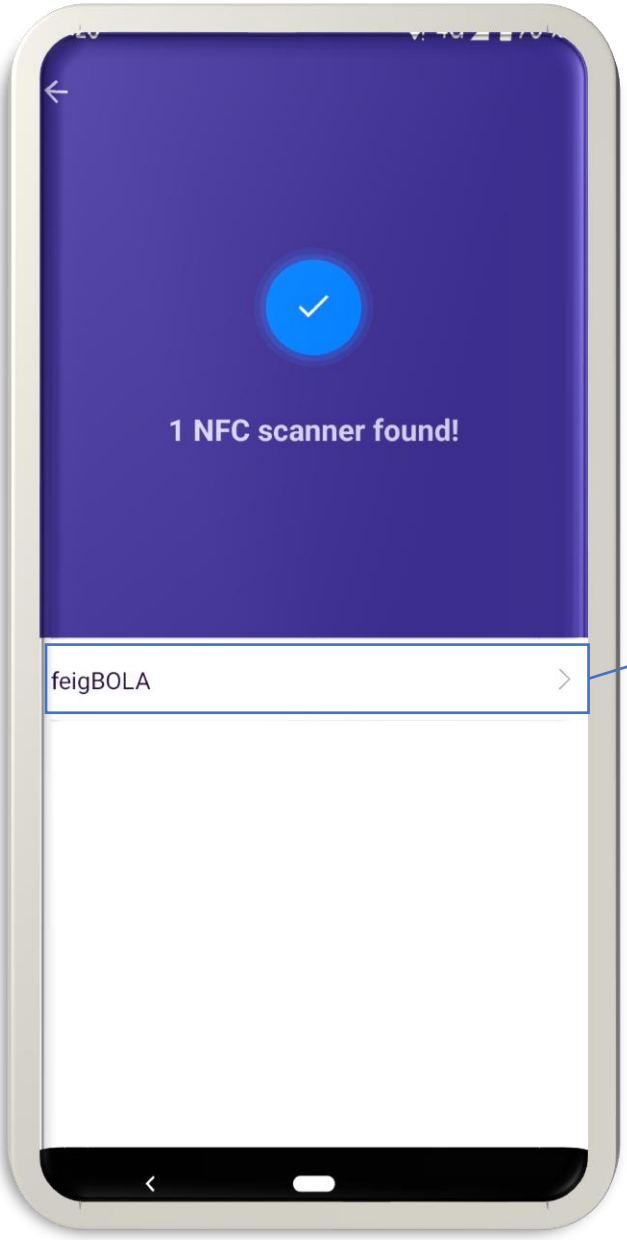
Binary Code:
With this button the easy addressing tool can be started which is used to find the set DALI address of an emergency device with the help of the blinking bi-color LED of EM PRO devices.

If you want to program a driver you either have the possibility to use the internal NFC antenna of your phone if available or connect an external NFC reader via Bluetooth®.

How to connect a Bluetooth NFC reader:

1. Press on the Bluetooth® button on the starting screen
2. Connect to the Bluetooth® reader by pressing on it

Feig ID ECCO Smart 2D-TR



Connect Bluetooth® device:
The app shows all available Bluetooth® NFC readers. The reader can be connected by pressing on it.

3. Now the device is ready and can be used in the app (below)

Currently connected device:
Shows the currently connected NFC reader.

Battery:
Shows the current loading status.

Disconnect Bluetooth:
Disconnects the NFC reader from the smartphone.

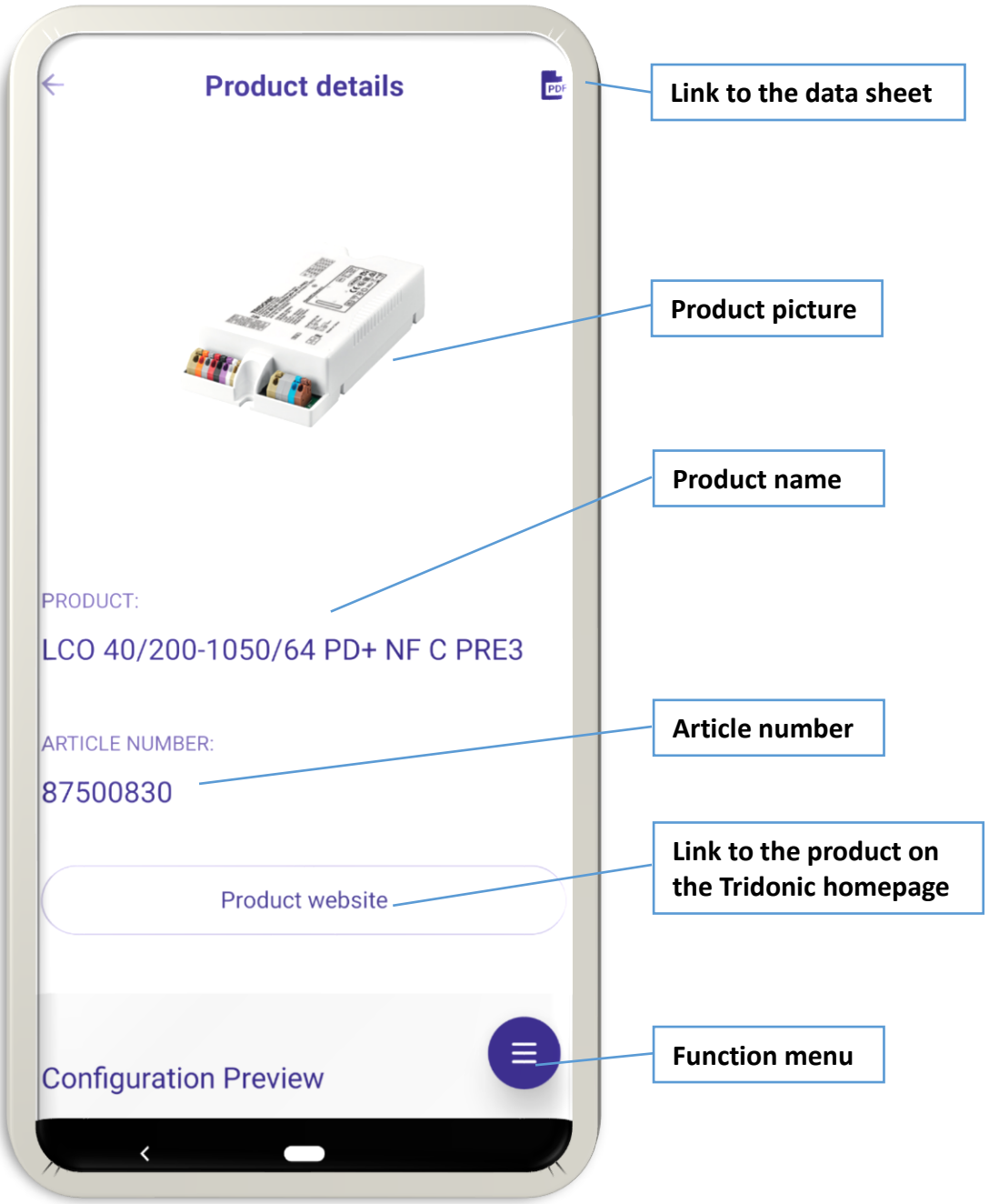
Read out Tridonic device:
Press the “Read” button and place the NFC Reader on the marked area on a Tridonic device to read it out.

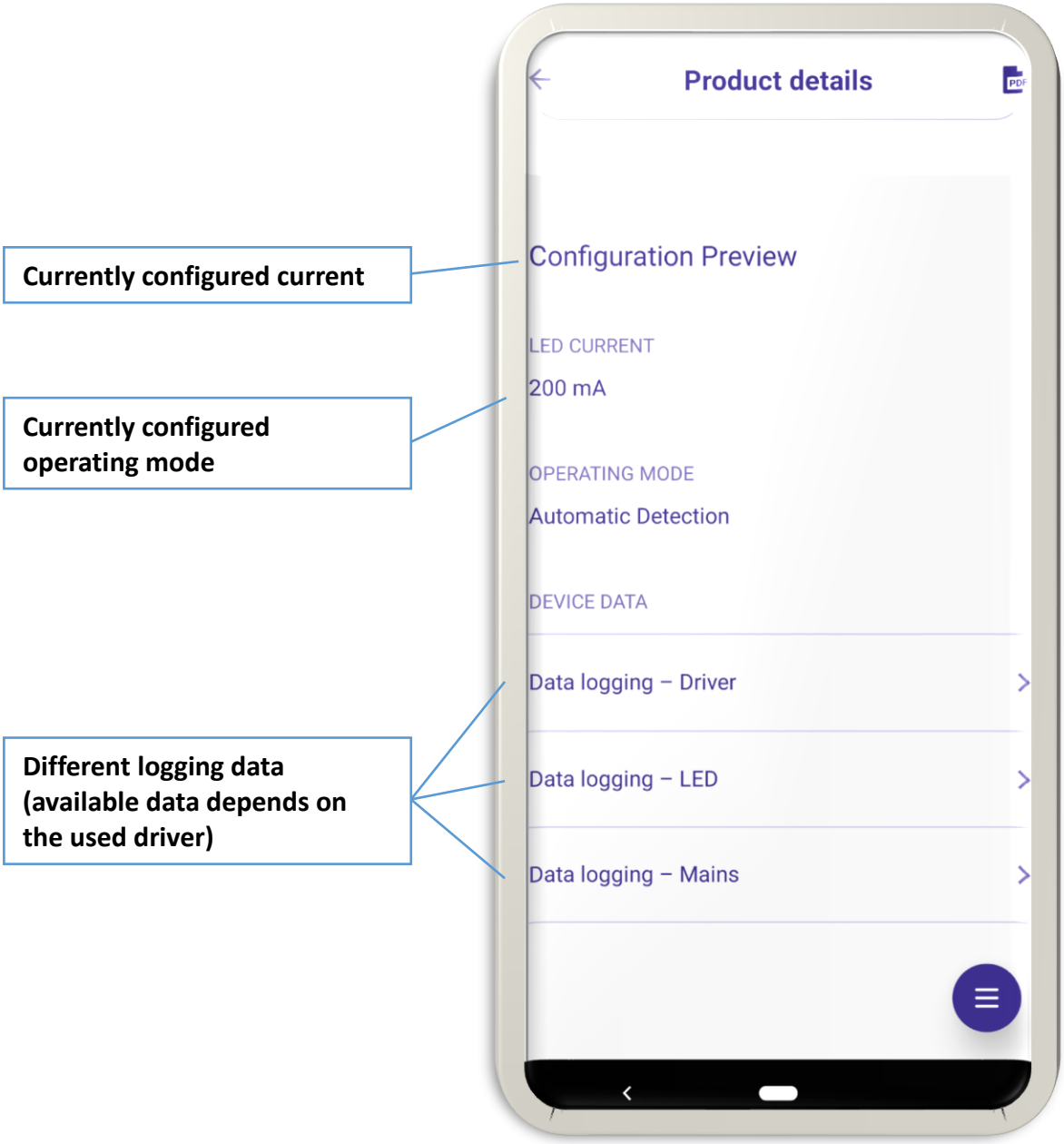
How to read-out and program a driver:

Either press on the internal NFC antenna button on the starting screen or connect an external NFC reader and press on the read button. The screen below will show up.

Now hold your phone or the NFC reader next to the marked area on the driver. The phone will vibrate when a connection is established. Wait for a few seconds until the driver has been read-out successfully. Please be aware that depending on the used smartphone this might not work with every driver!

After a successful read-out of the driver, a screen with some product details will appear.




Currently configured current
Currently configured operating mode
Different logging data (available data depends on the used driver)
Product details
Configuration Preview
LED CURRENT
200 mA
OPERATING MODE
Automatic Detection
DEVICE DATA
Data logging – Driver
Data logging – LED
Data logging – Mains

Function menu:

To change the settings of the driver, the function menu needs to be opened. There you have the option to create a .traf file, copy the device, edit the configuration or write a previously created .trgf to the driver.

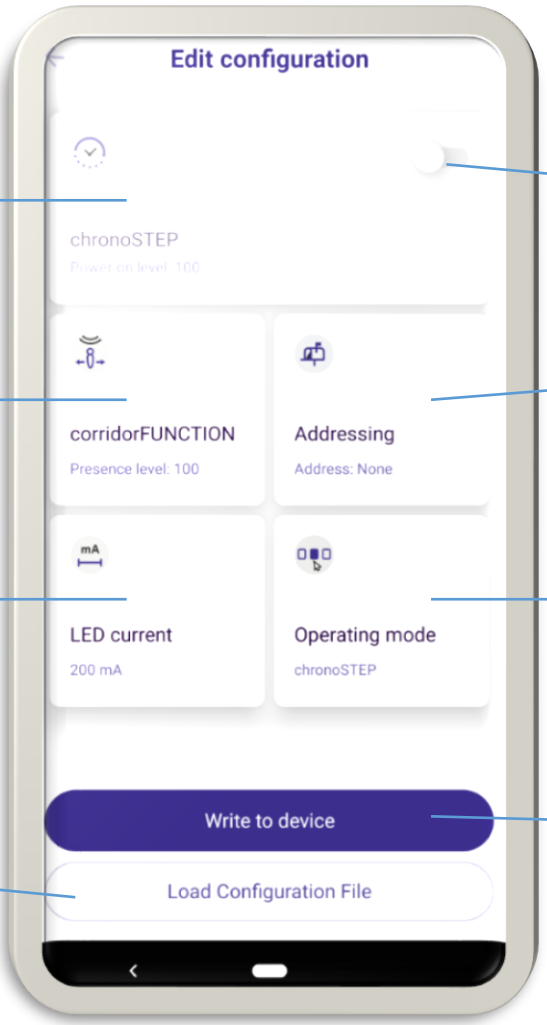
Share .traf file:
Creates a .traf file which can be used in the deviceANALYZER

Copy device:
Allows to copy the settings of a device to another device with the same article code

Edit configuration:
Opens the configuration menu

Write configuration file:
Allows to write configuration files created with the deviceGENERATOR to a device.

Edit Configuration (available functions may depend on the driver):



chronoSTEP:
Change the parameters of the chronoSTEP function.

corridorFUNCTION:
Change the parameters of the corridorFUNCTION.

LED current:
Change the output current of the driver.

Load configuration file:
Load a .trgf file created with the deviceGENERATOR and write it to the driver.

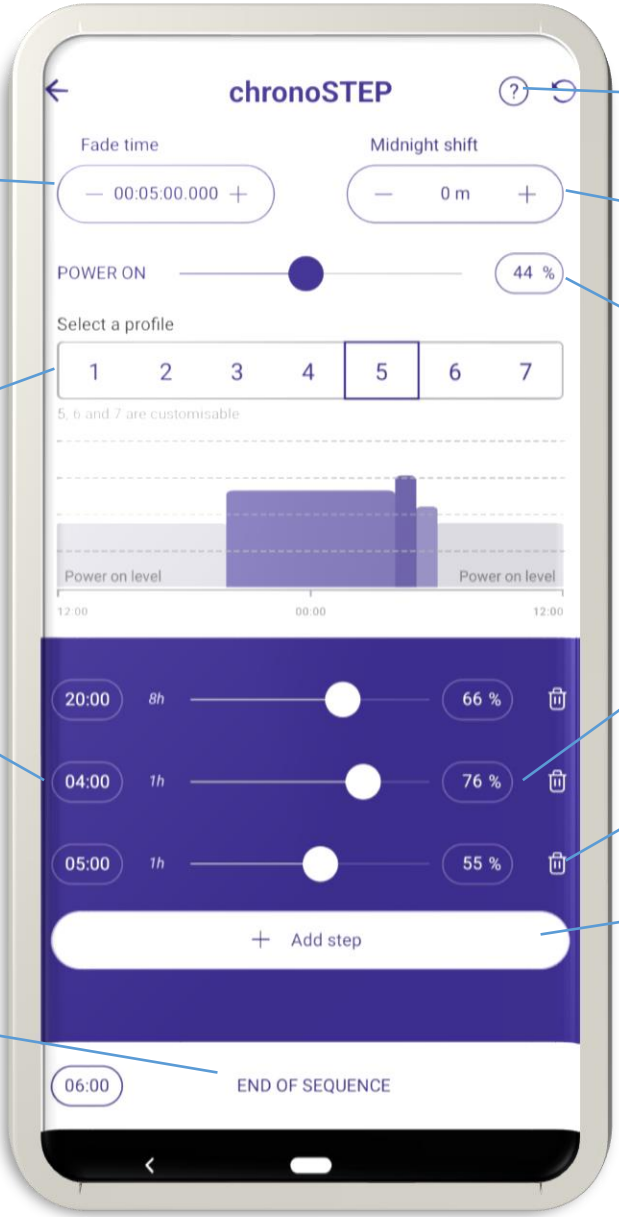
chronoSTEP Turn On/Off

Addressing:
Give the driver a DALI short address

Operating mode:
Change the operating mode of the driver.

Write to device:
After changing the settings use this button to write the configuration to the driver

chronoSTEP:



Help Link: with parameter description

Fade Time

Midnight Shift

Power on level

Profile Number

Reduction level values

Reduction time values

Delete Step

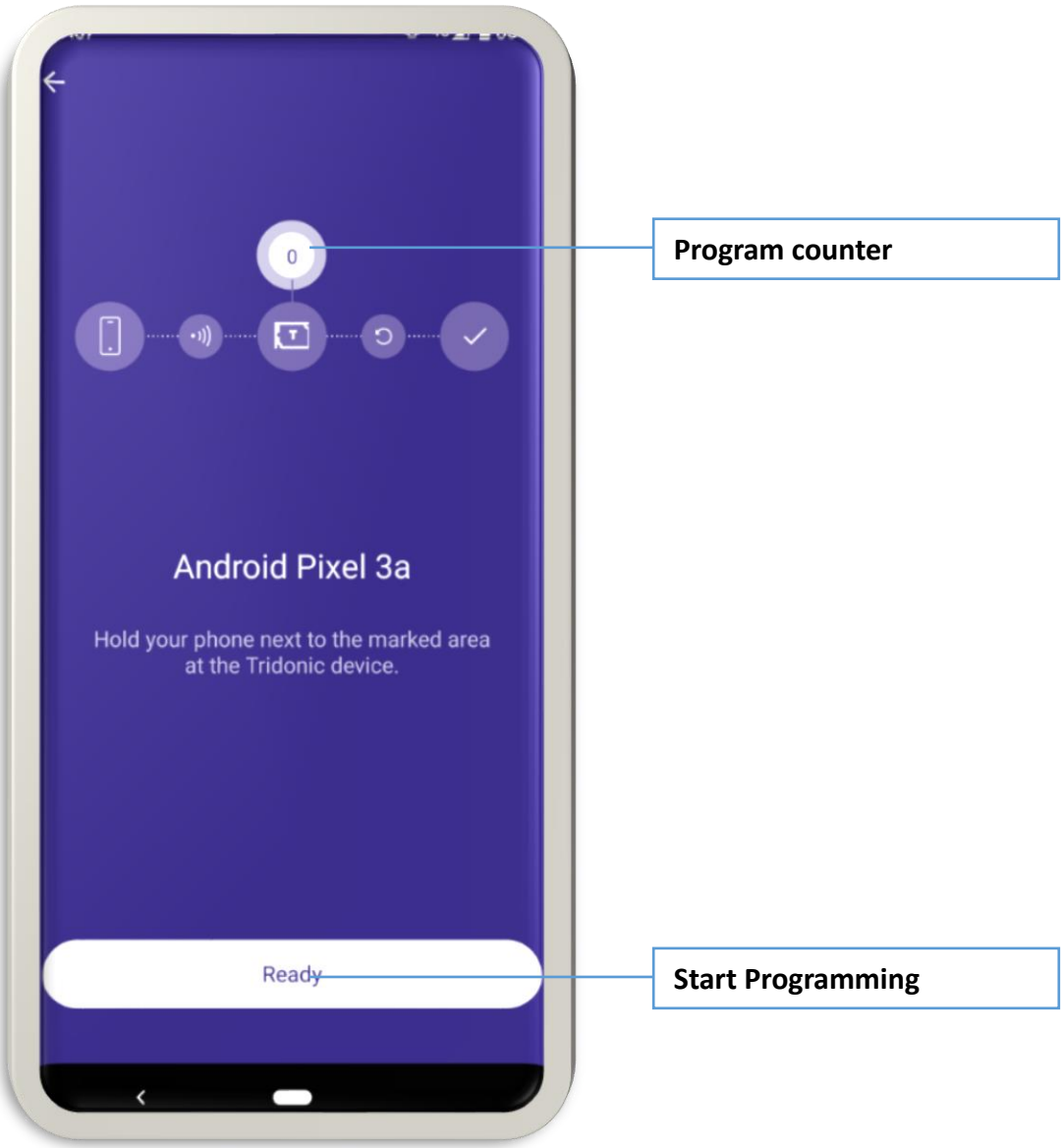
Add Step

End of Sequence

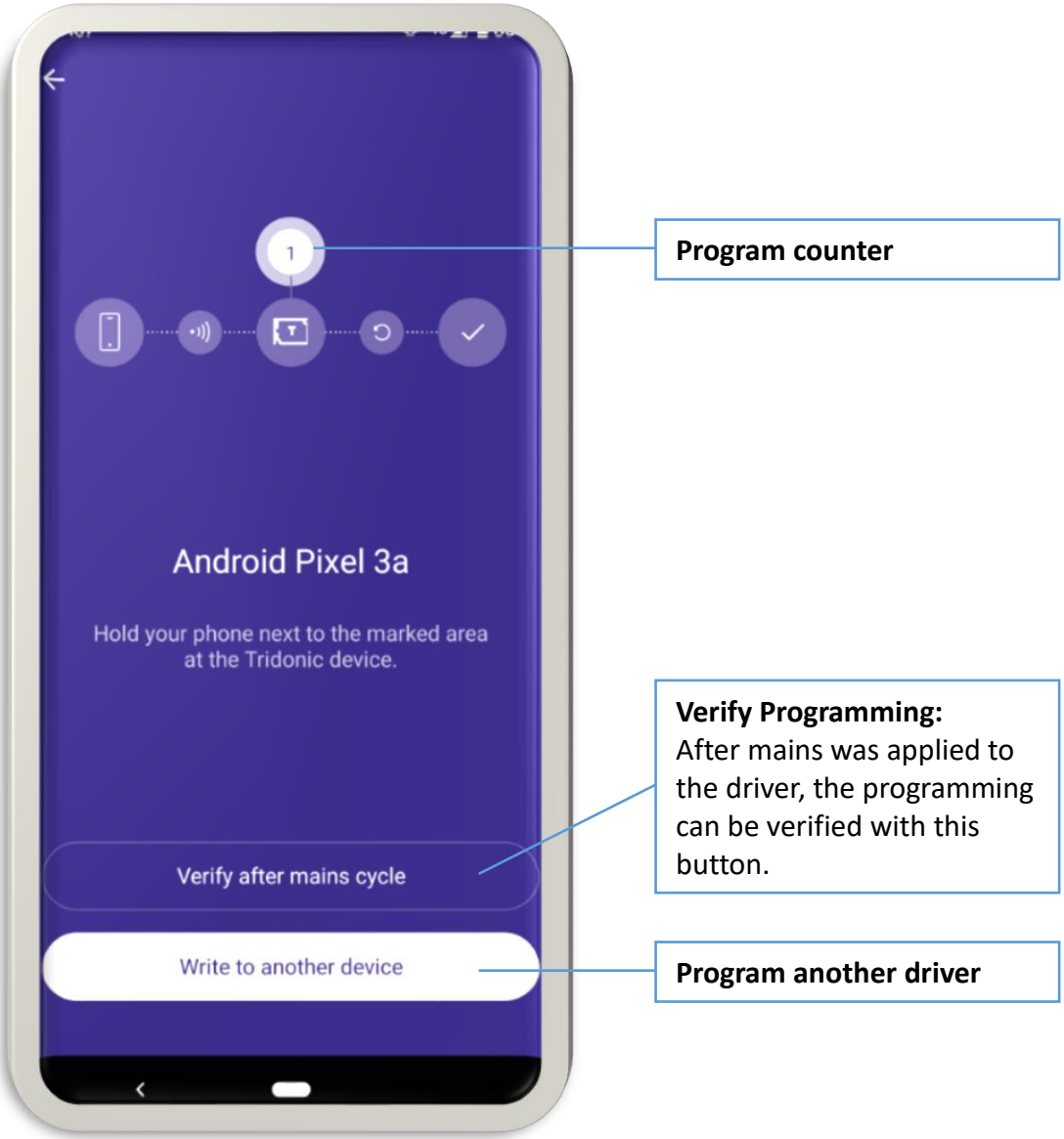
Help link with parameter description: https://www.tridonic.fr/download/help/chronoSTEP_en.html

Writing on a driver:

Hold your phone next to the marked NFC area of the driver and press the ready button.

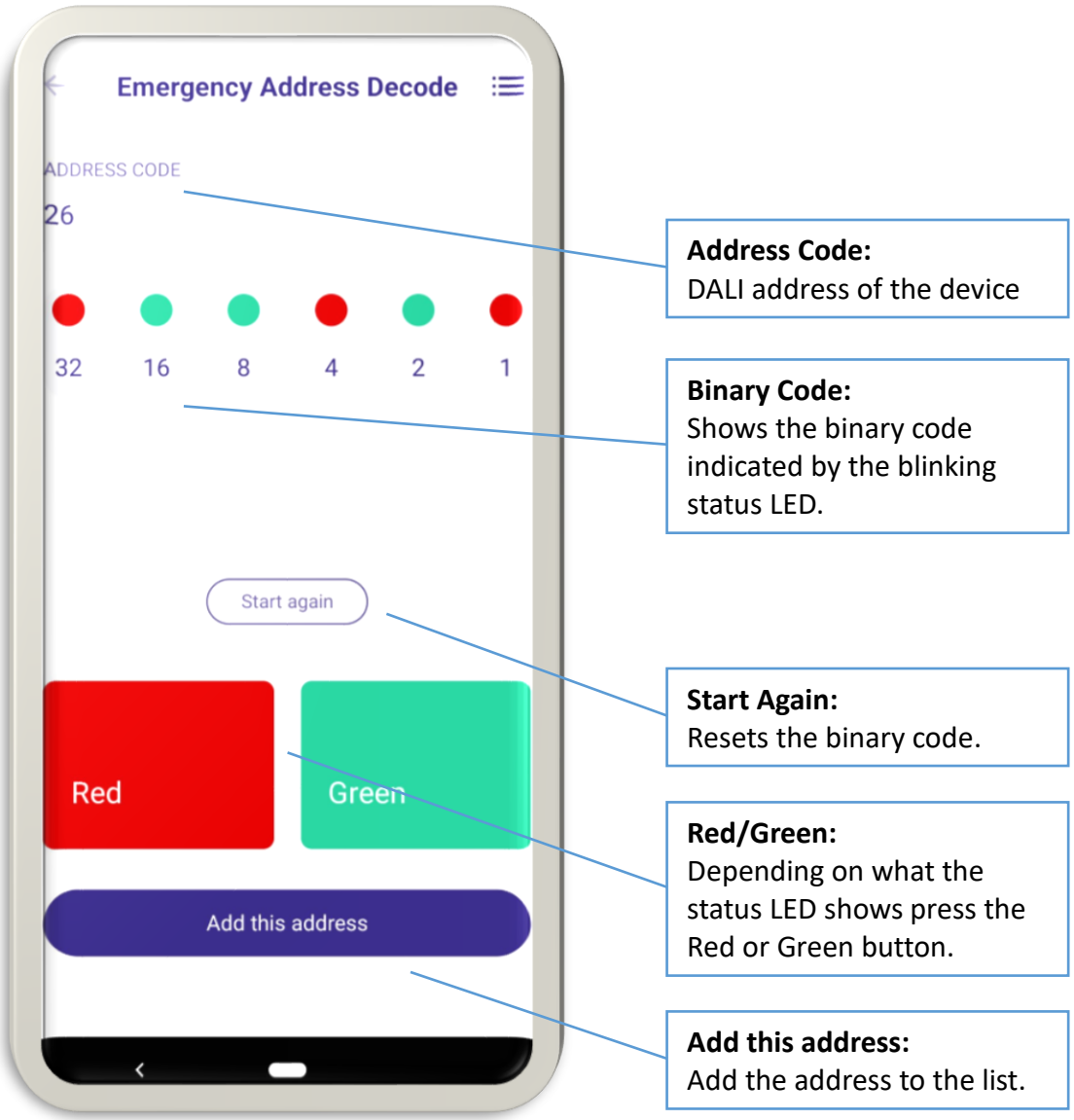


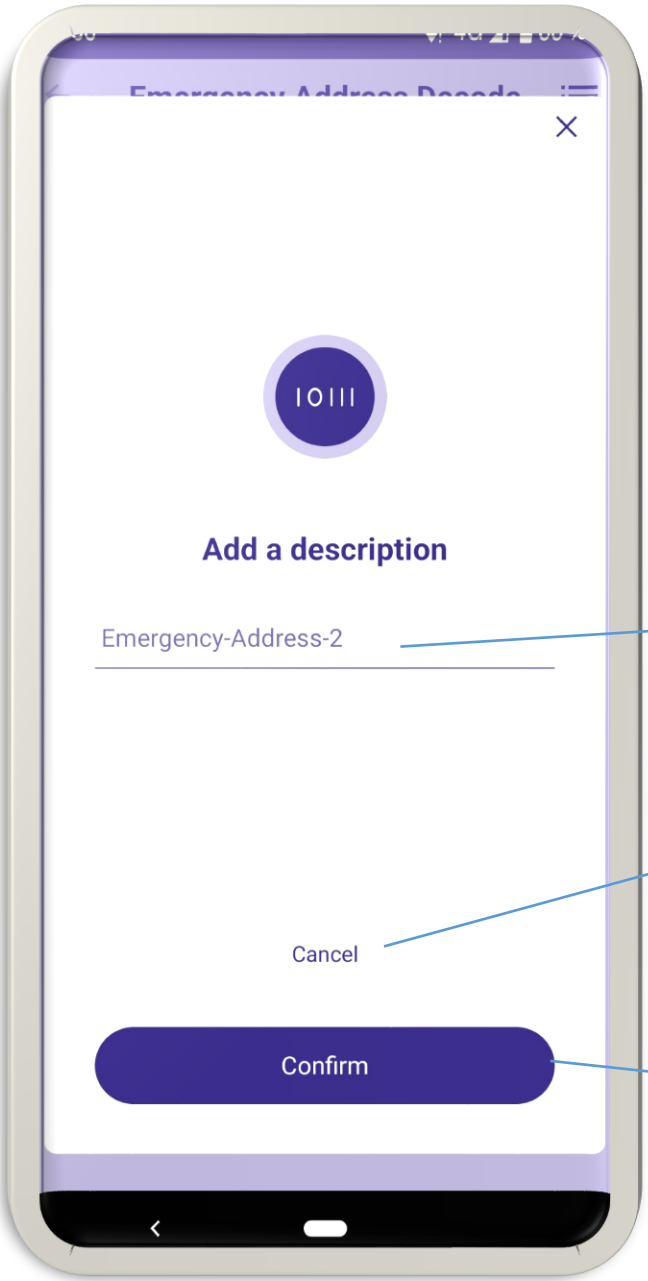
After the writing is finished, the counter on the screen will increase and you get the option to either verify the programming on the driver or to program another driver.



Binary Code:

Binary Code or EZ easy addressing tool can be used to find the set DALI address of an emergency device with the help of the blinking bi-color LED of EM PRO. Binary address codes given by the status LED can be simply converted to the DALI addresses 0 to 63 LED. During this, the LEDs will be switched off and the indication LED will flash the 6-bit binary address preceded by a 3 second start indication period. It is possible to save the addresses in a list and change the name of the saved addresses.

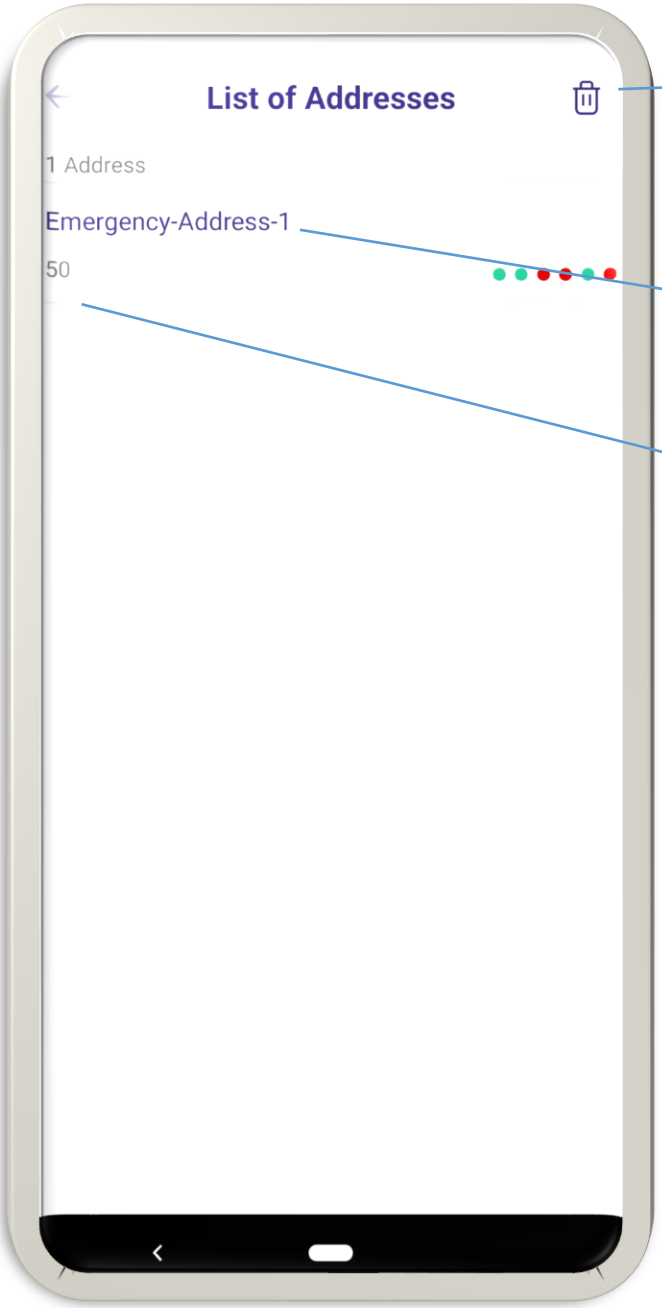




Name:
Change the name of the address you want to save.

Cancel:
Return to the Emergency address decode screen without saving.

Confirm:
Save the address to the list.



Delete:
Select which address you want to delete after clicking here.

Name:
Name of the address

Address:
Shows the DALI address