**Manuals+** — User Manuals Simplified.

# TRIDONIC 4service NFC App User Guide

## Contents

**TRIDONIC**

**TRIDONIC 4service NFC App**

**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, corridor FUNCTION, chrono STEP, etc.)
- DALI addressing:

  Set the DALI short address
- corridor FUNCTION:

  Configuration of the corridor FUNCTION (light level, fade times, etc.)
- chrono STEP:

  Configuration of the chrono STEP 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 device GENERATOR (ending: *.trgf) can also be

transferred to LED Drivers.

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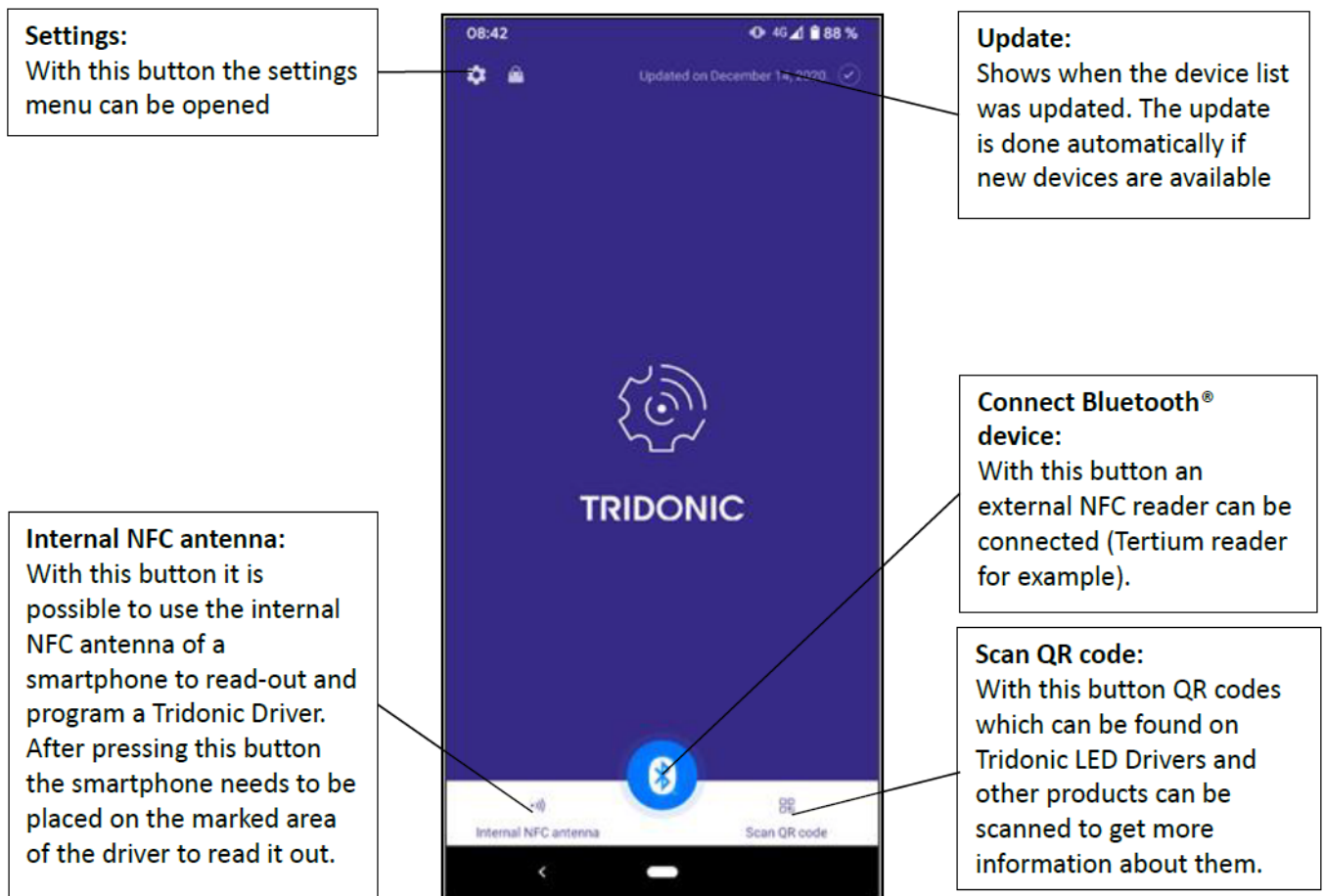If an LED Driver is faulty, the data memory can be read out. This means an initial analysis of the causes is already possible on site.

**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. Alternatively, the internal NFC reader can also be used on different Android 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 (Tertium reader for example).

**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.

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®.
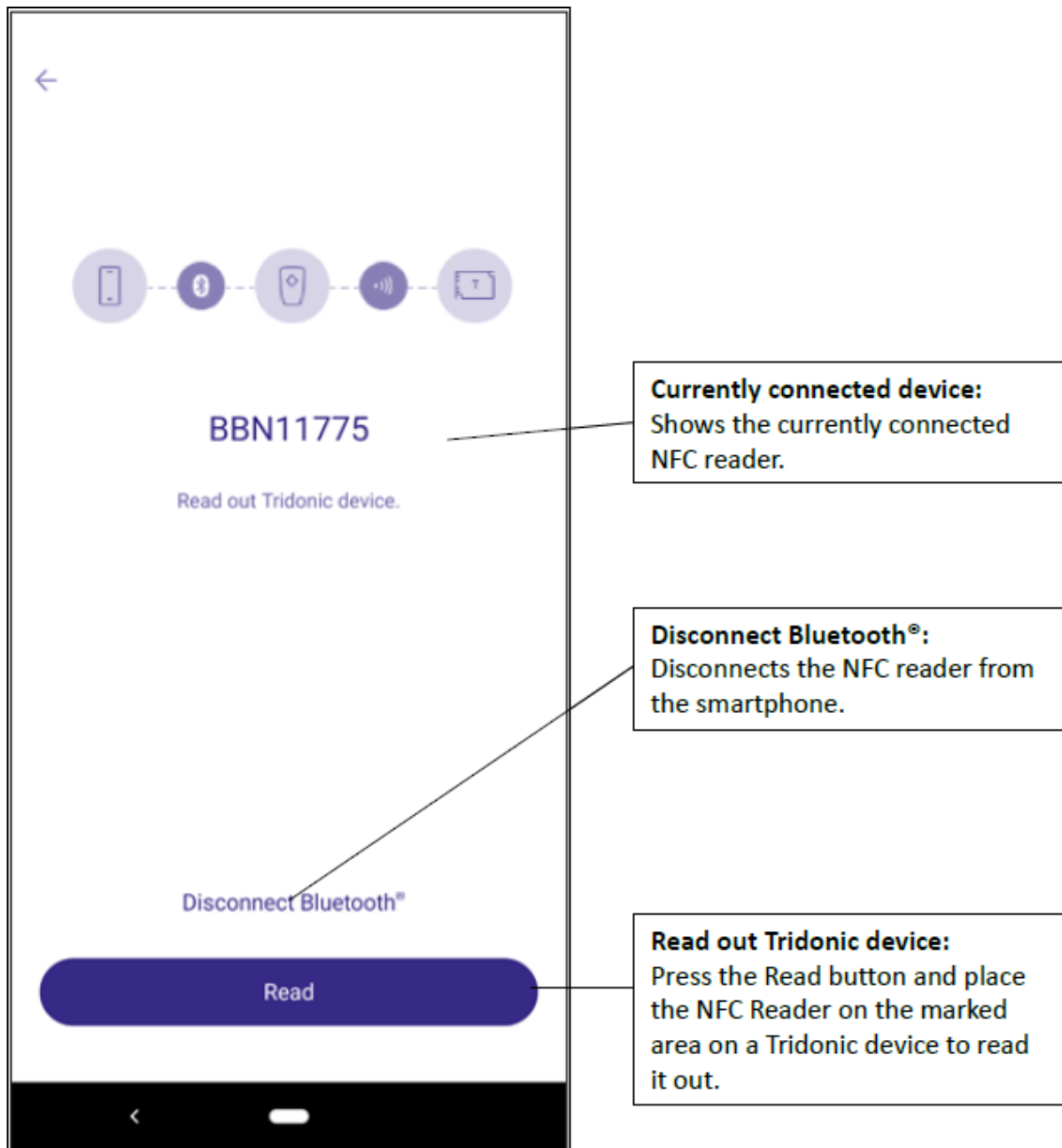
**How to connect a Bluetooth® NFC reader**

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



10:14                                    4G 75 %

1 NFC scanner found!

BBN11775                                      >
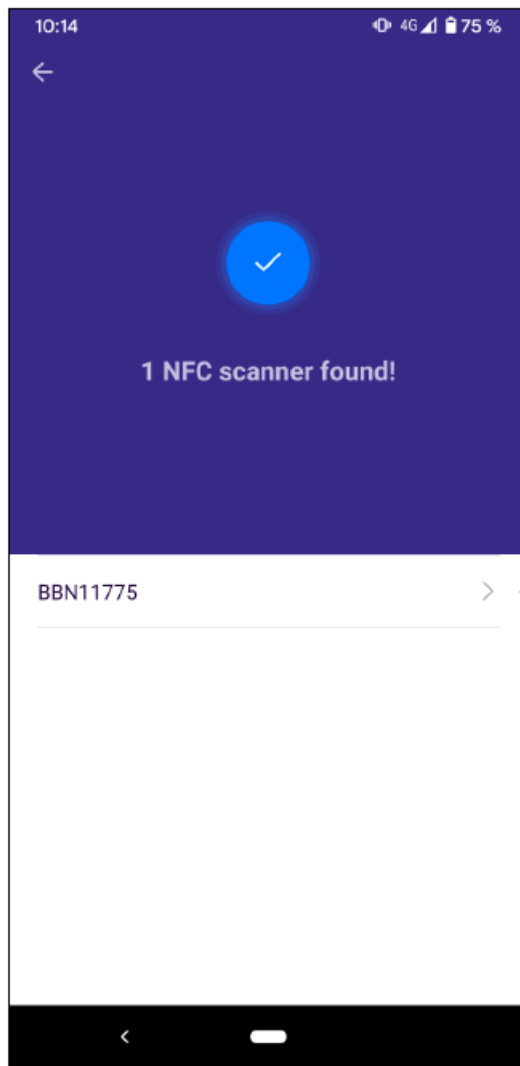
**Connect Bluetooth® device:** The app shows all available Bluetooth® NFC readers. The reader can be connected by pressing on it.

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

**Currently connected device:**
Shows the currently connected NFC reader.

**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.
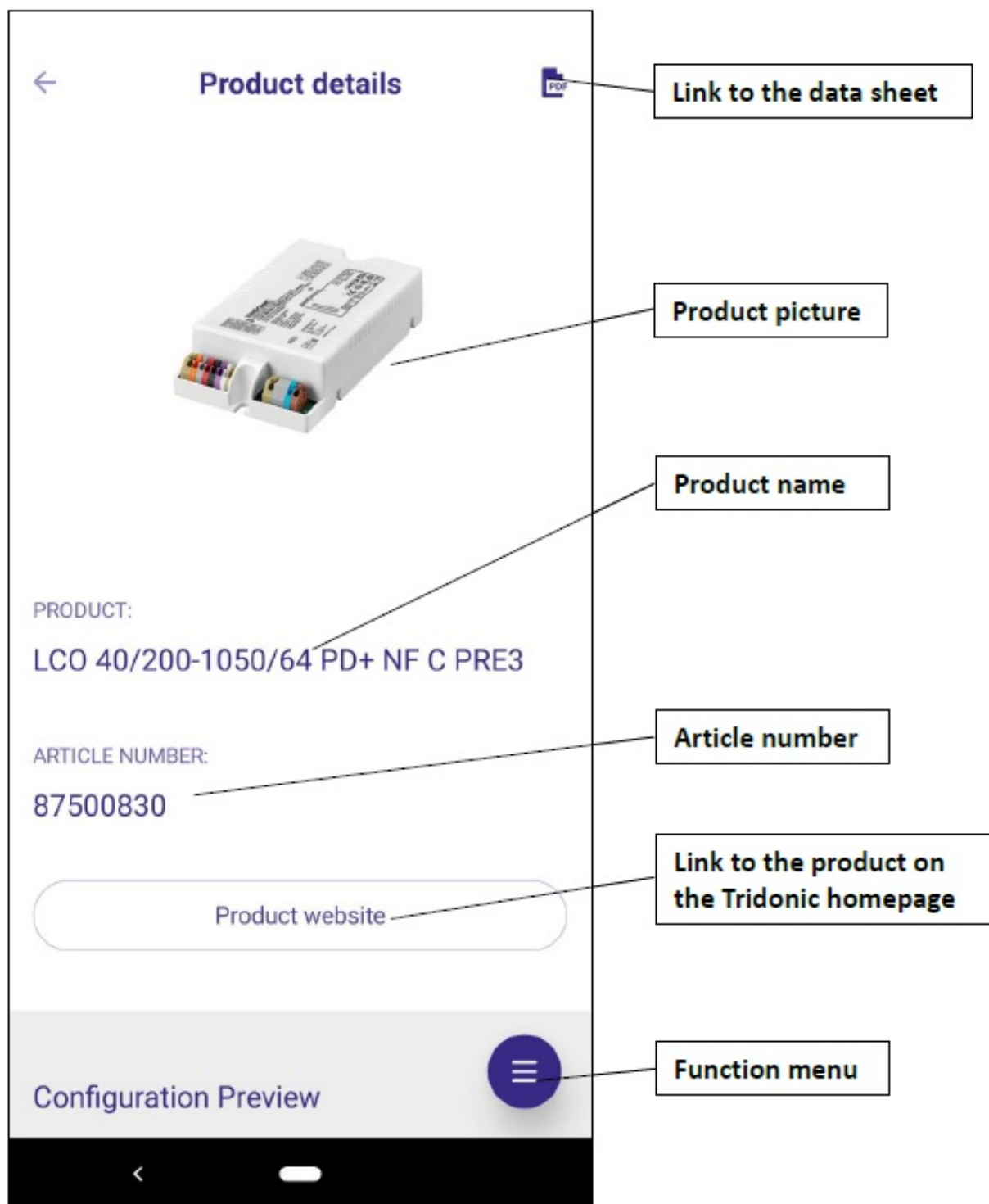
## How to read-out and program a driver

Either press on the internal NFC antenna button on the starting screen or connect an external NFC reader and press on the read button.
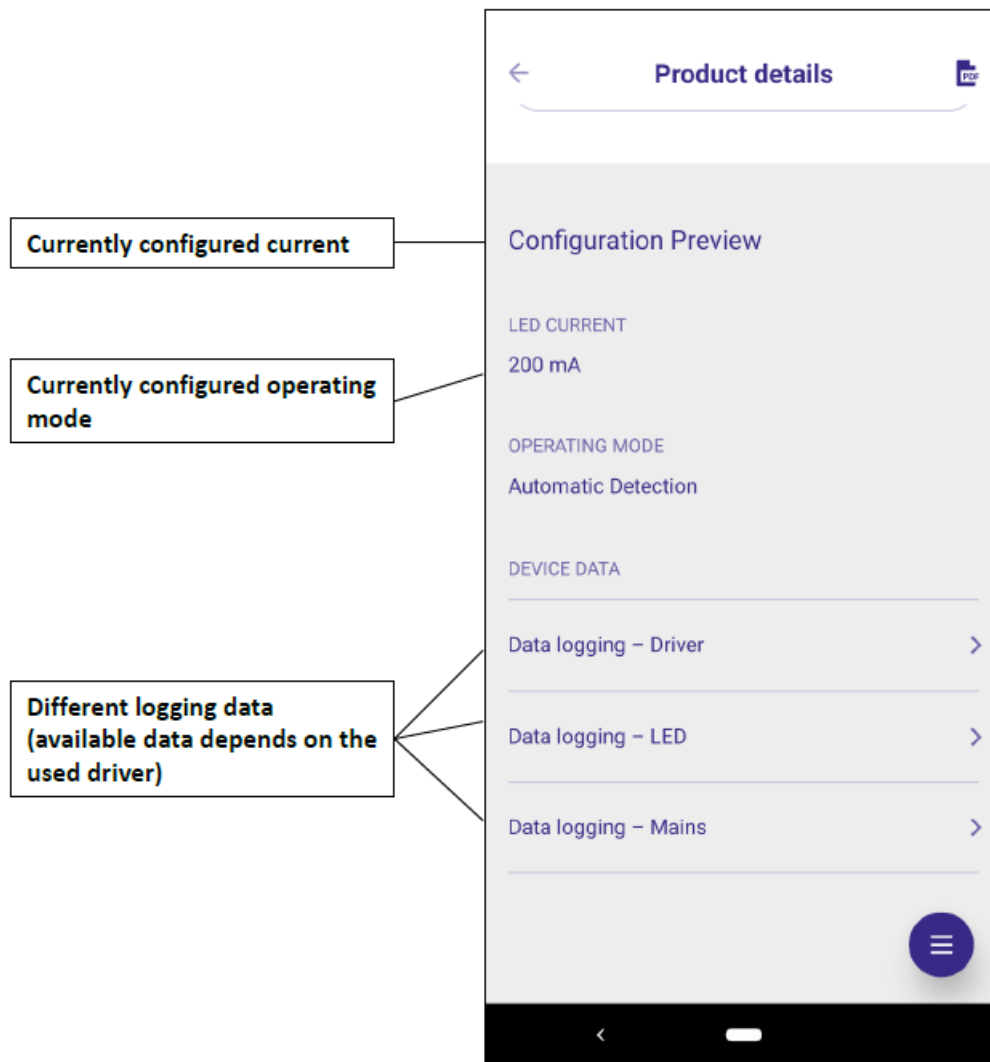The screen below will show up.
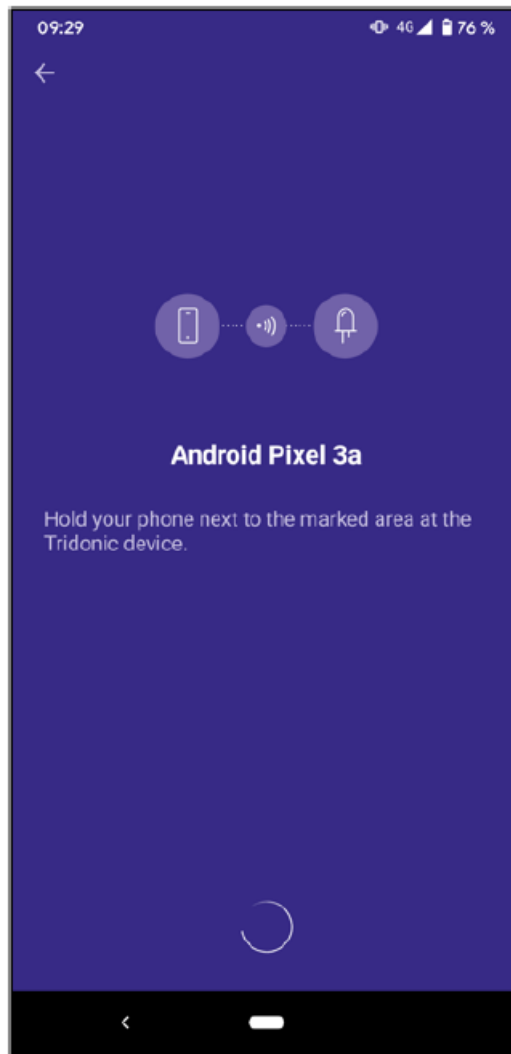
Now hold your phone or the NFC reader next to the marked area on the driver. The phone will vibrate when a connection is established. Wait for a few seconds until the driver has been read-out successfully.

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

← **Product details** [PDF] — Link to the data sheet

Product picture

PRODUCT:

LCO 40/200-1050/64 PD+ NF C PRE3 — Product name

ARTICLE NUMBER: — Article number

87500830

Product website — Link to the product on the Tridonic homepage

Configuration Preview ≡ — Function menu

**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.

**Product details**

PRODUCT:

LCO 40/200-1050/64 PD+ NF C PRE3

ARTICLE NUMBER:

87500830

Product website

Configuration Preview

**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
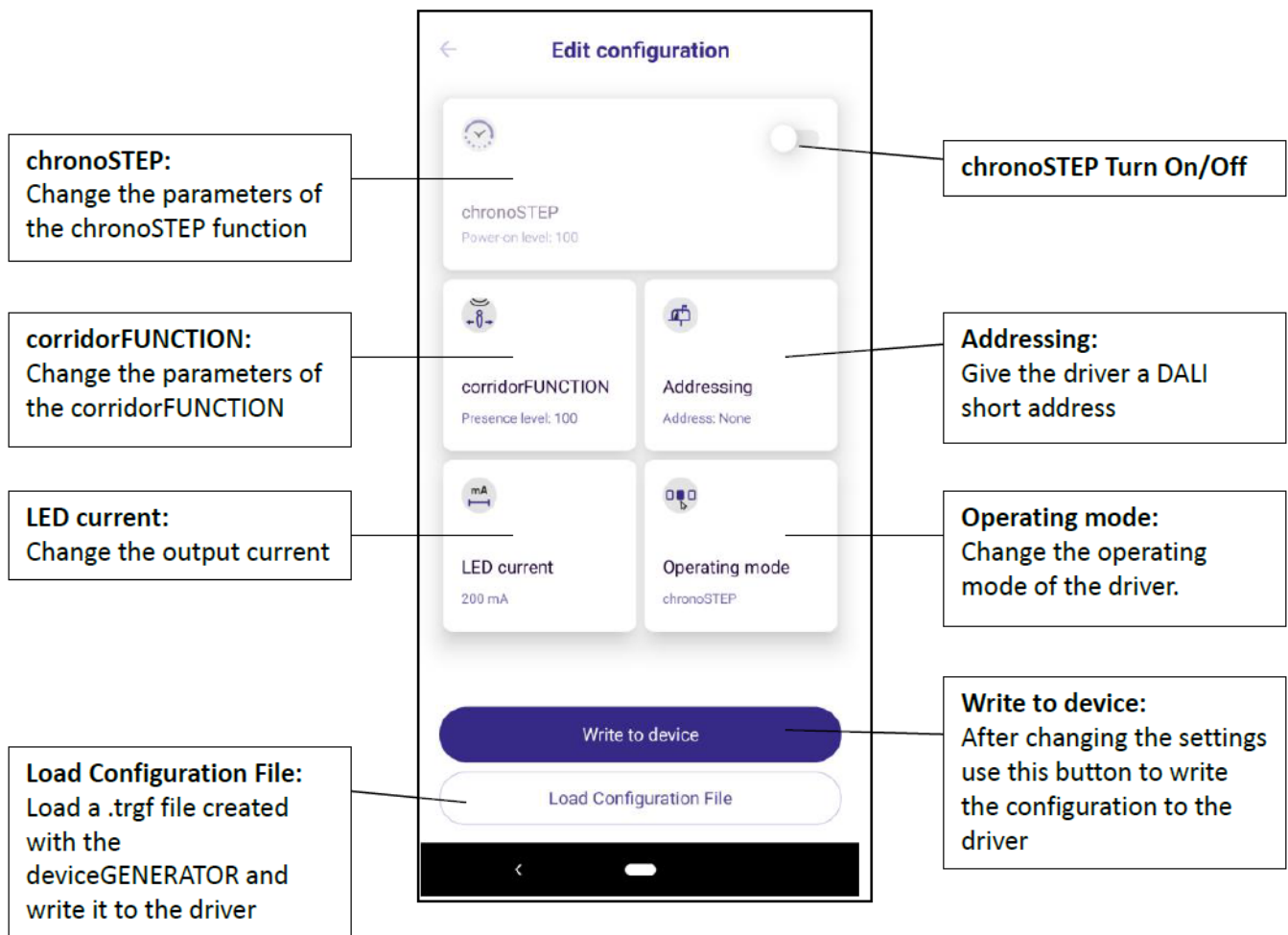
**Edit configuration:**
Opens the configuration menu

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

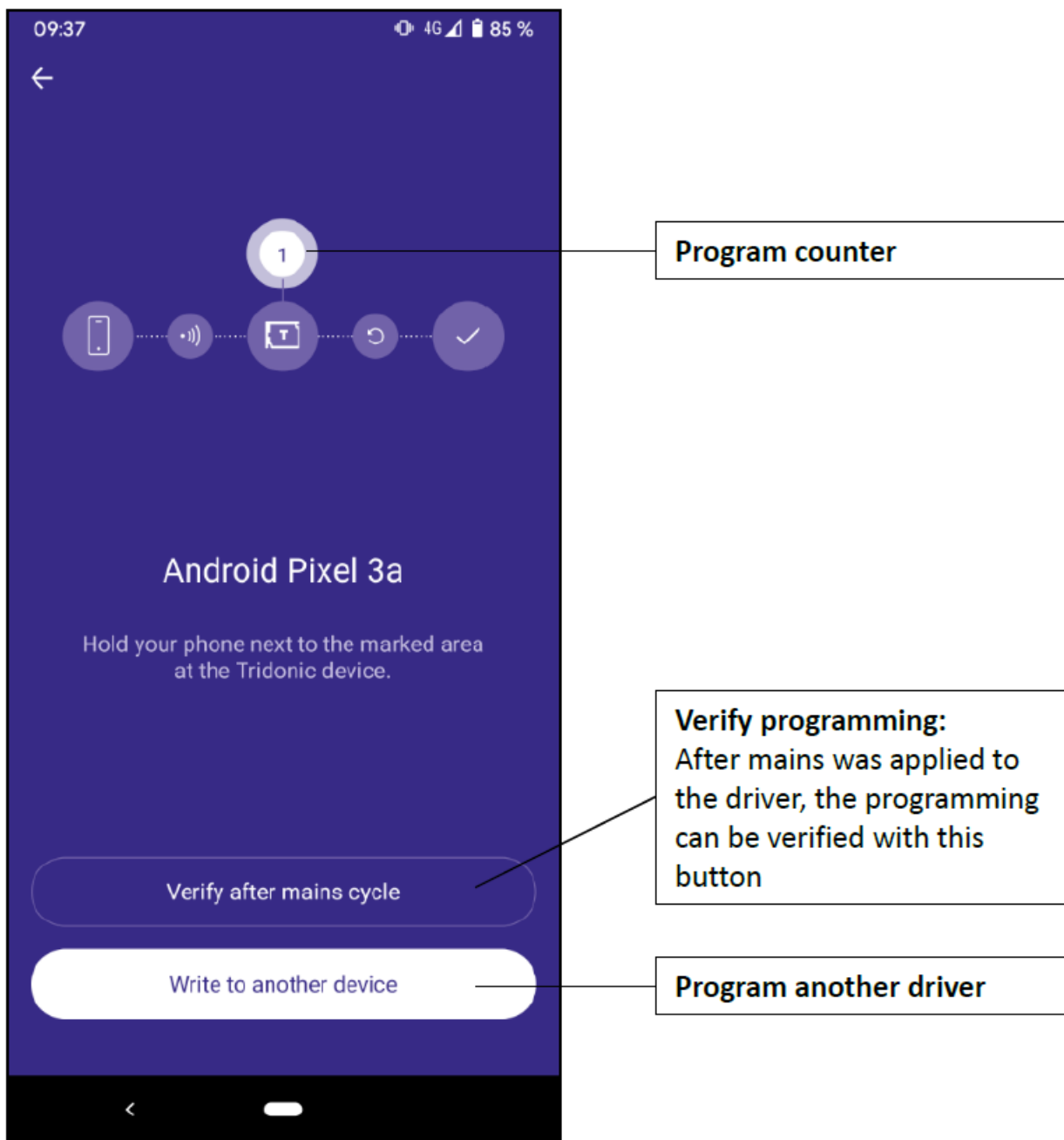**Edit Configuration (available functions may depend on the driver)**

**chronoSTEP:**
Change the parameters of the chronoSTEP function

**chronoSTEP Turn On/Off**



**corridorFUNCTION:**
Change the parameters of the corridorFUNCTION

**Addressing:**
Give the driver a DALI short address

**LED current:**
Change the output current

**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

**Load Configuration File:**
Load a .trgf file created with the deviceGENERATOR and write it to the driver

## Writing on a driver

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

**Program counter**
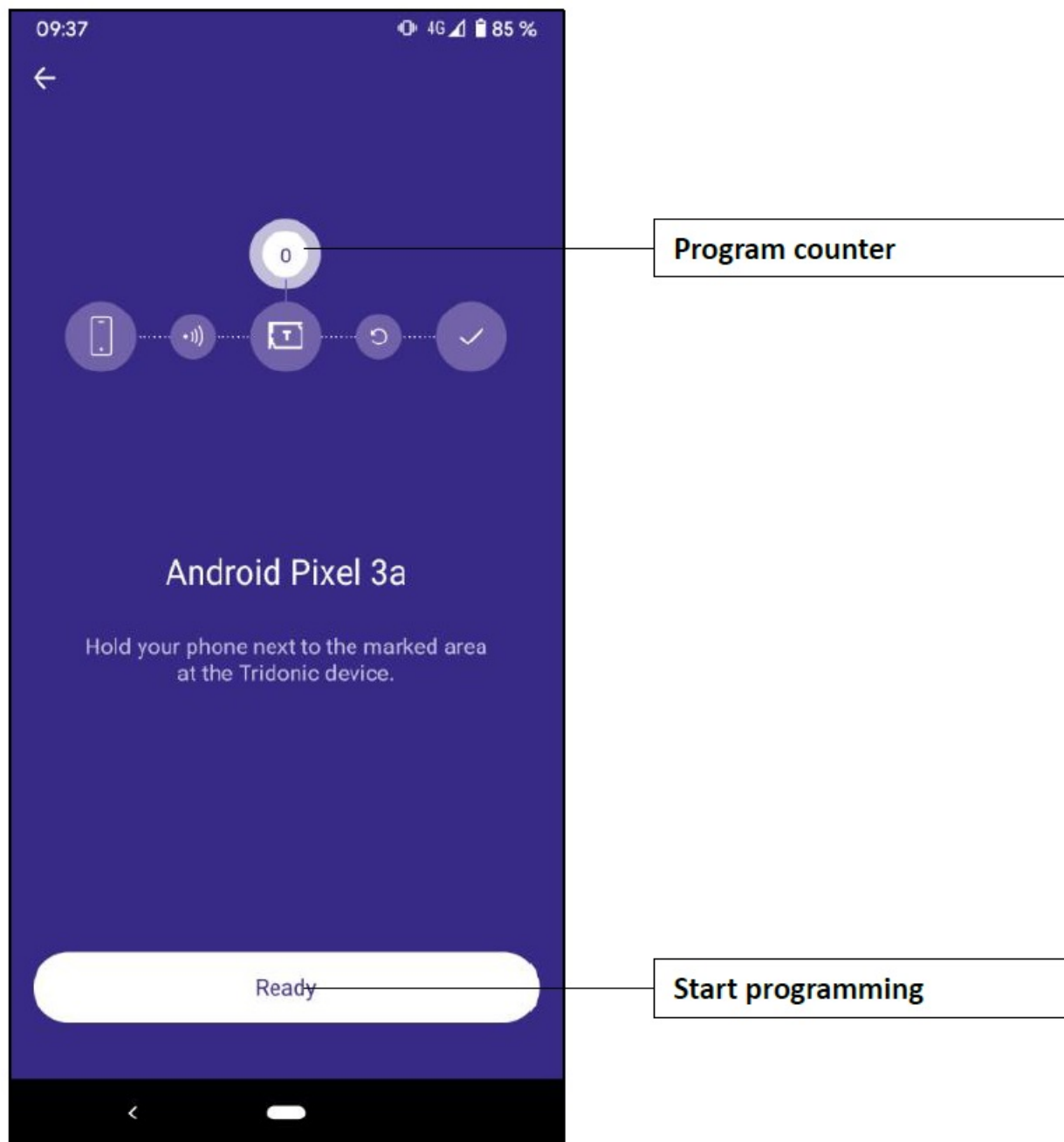
**Start programming**

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.

**Program counter**

**Verify programming:**
After mains was applied to the driver, the programming can be verified with this button

**Program another driver**

## Documents / Resources

| | |
|---|---|
| 4service NFC Manual [thumbnail] | **TRIDONIC 4service NFC App** [pdf] User Guide<br>4service NFC App, 4service NFC, App |