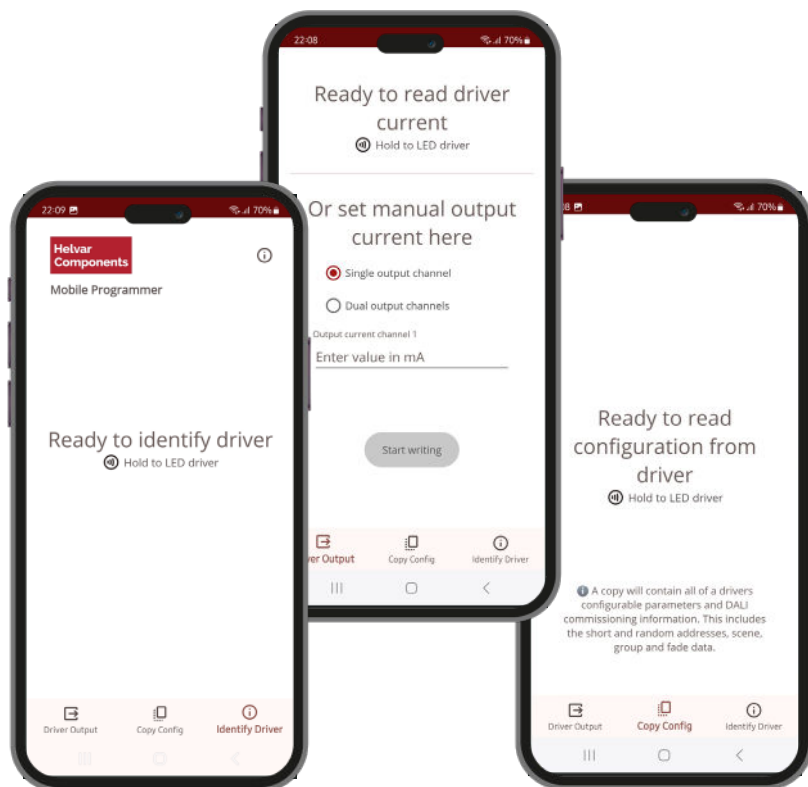# Helvar Mobile Programmer

Using just your smartphone and NFC technology, you can now instantly read and configure Helvar Components LED drivers on the go. No complicated processes or specialized equipment needed. Free application on Android and iOS, available now!

KEY FEATURES

- Adjust output current with a simple tap

- Copy and duplicate configuration settings between drivers

- Identify serial numbers, EAN/GTIN codes and software versions

- Compatible with all NFC-enabled Helvar Components LED drivers

Helvar Mobile Programmer
USER GUIDE

This user guide provides instructions on how to easily read and configure Helvar Components LED drivers with NFC technology using just mobile application.

REQUIREMENTS

- An Android device with NFC or any iPhone from iPhone 7 onwards.
- On Android, NFC setting must be turned on. On iPhones NFC is always on.
- Make sure the Helvar Components LED driver model supports NFC configuration.
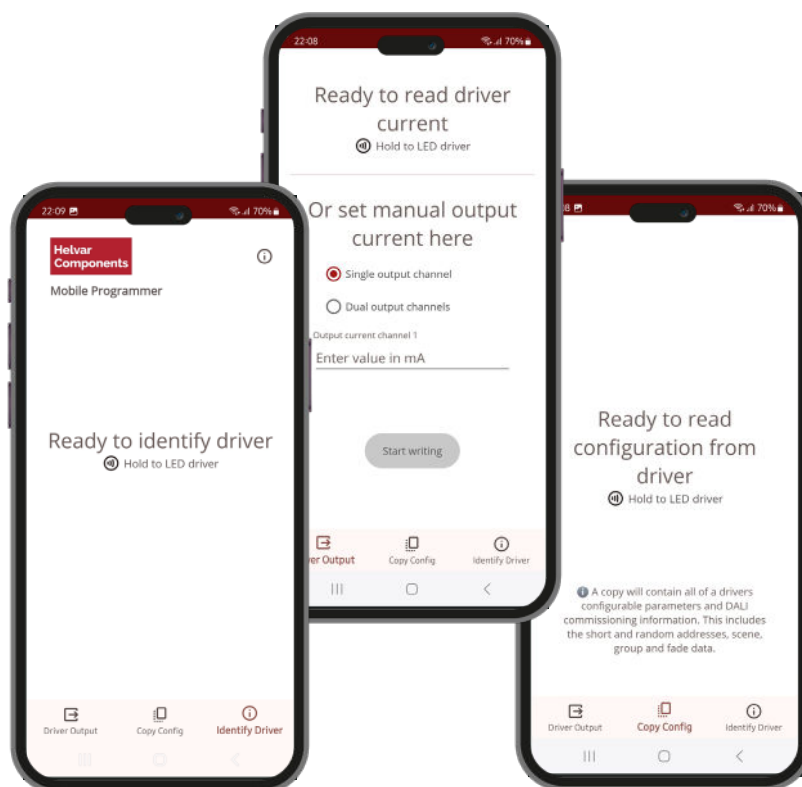
MAIN FEATURES

Here below you can explore the main features of Helvar Mobile Programmer and their detailed instructions.

READ / WRITE DRIVER OUTPUT CURRENT VALUES

Read or adjust the output current settings of the LED drivers.

Steps:

Select "**Driver Output**" on the bottom bar.

Read

On iOS start the read process by pressing "**Read**". Android devices automatically read when they detect an LED driver with NFC.

Hold your mobile device close to the NFC antenna of the LED driver to read the output current settings.

After a successful read of the output current data, the app will fill in the driver output current value(s) automatically into the text field(s). **NOTE:** *Most LED driver models have one output channel while some models have two, which may have different output currents.*
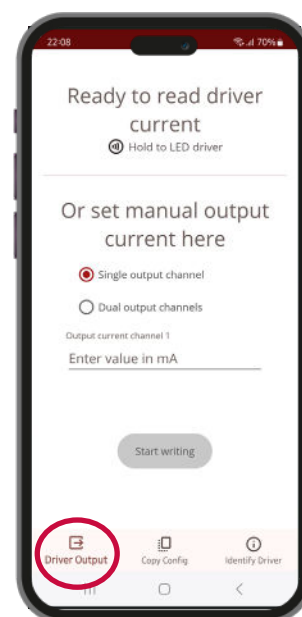
Write

To write new output current, enter the desired current value or current values and press "**Start Writing**". You will be presented with a write screen, channel current(s) and write counter at 0. On iOS start the write process by pressing "**Write**". Android devices will automatically write when they detect a LED driver with NFC.

Hold your mobile device close to the NFC antenna of the LED driver to program the new value or values into the driver memory.

When done successfully, the write counter will be at 1 and the name of the previously programmed driver will be displayed.

From here, you can keep writing if required.

Modify

To modify an LED driver's set output current, you can perform **Read** then **Write** following the steps described above..
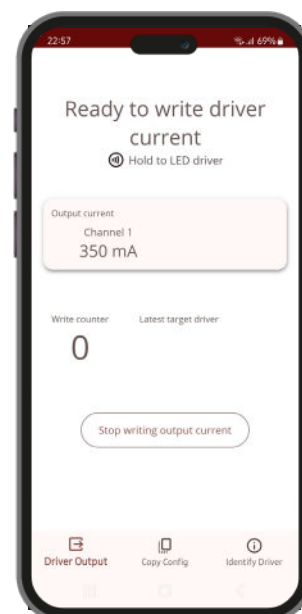
MAIN FEATURES

COPY CONFIGURATION

Duplicate the configuration settings from one LED driver to another.

Steps:

Select "**Copy Config**" in the bottom bar.

On iOS start the read process by pressing "**Read**". Android devices automatically read when they detect an LED driver with NFC.

Hold your mobile device close to the NFC antenna of the LED driver you are copying from.

When done, the screen will display the LED driver name and a write counter with 0.

On iOS start the write process by pressing "**Write**". Android devices will automatically write when they detect an LED driver with NFC.

Hold your mobile device close to the NFC antenna of the LED driver you are copying to.

When done successfully, the write counter will turn to 1.

From here, you can keep writing if required.

What gets copied?

A copy will contain all of the configurable parameters available in that LED driver model (output current, CLO, DALI parameters etc.) and DALI commissioning information. That includes the short and random addresses, scene, group and fade data.
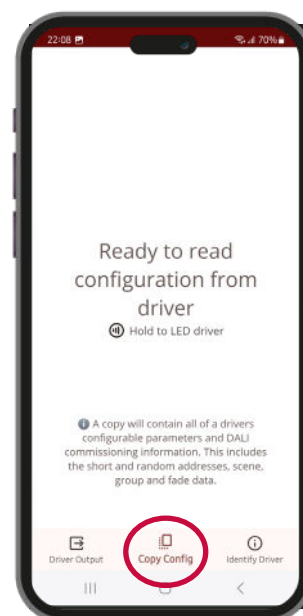
IDENTIFY DRIVER

*Quickly view driver name, serial number , GTIN/EAN code or driver SW version.*

Steps:

Open the app and select "**Identify Driver**" on the bottom bar.

On iOS start the read process by pressing "Read". Android devices automatically read when they detect an LED driver with NFC.

Hold your mobile device close to the NFC antenna of the LED driver.

The app will display the serial number, GTIN/EAN code and software version of the LED driver.
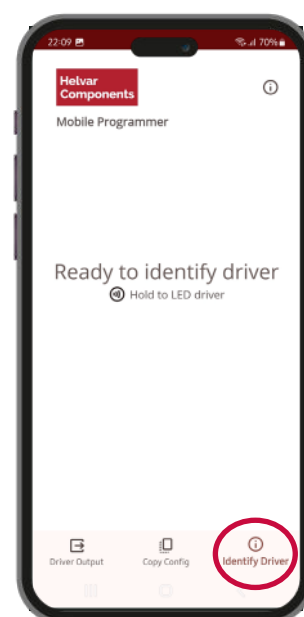
SUPPORT

BUGS

If you encounter any issues, you can open the information icon on the top of the "**Identify Driver"** page and select "**Send Feedback"** to open a window in which you can report the issue.

TROUBLESHOOTING AND SOLUTIONS

Problem	Solution
I get "**Other settings block reading output current**" when attempting to read the driver current value.	The driver's output settings don't allow representing the output current as a single value per channel. This can be due to e.g. Smart Switch or LED-Iset being enabled. You can try writing new current values to the driver. In most cases, the app can automatically modify the conflicting output settings and allow you to set the desired output current value.
I get "**Communication to driver failed**".	An error in data transfer occurred. This may be due to off-center placement of the NFC antennas of the phone and the LED driver or a change in their respective positions. Try again with a slightly different placement.
I get "**Driver has no output current fields to modify**" when attempting to write current values.	The LED driver model doesn't support output current value adjustment via NFC.
Nothing happens when I tap the phone to the driver.	On iOS, make sure you have tapped the button to start the action and have a big card covering the UI with instructions to tap phone to driver. On Android, make sure you have NFC support on your phone and it is not turned off. Make sure you are tapping the part of the driver with the NFC antenna logo on it. On an iPhone the NFC antenna will be at the top edge of the phone, and on most Android devices it is somewhere in the top half of the phone.