

## Software for STEVAL-ILL035V1 evaluation board for LED strings applications

|                               |                 |
|-------------------------------|-----------------|
| Applications & demonstrations | STSW-ILL035GUI  |
| Middleware                    | STSW-ILL035FW   |
| Hardware                      | STEVAL-ILL035V1 |

### Features

- Led channel grid configuration
- Property area for
  - DEVCFG0/1 register configuration
  - Latency configuration
- Status area with VBOOST value updated periodically
- Configuration can be saved/loaded from the file

| Product summary  |                 |
|--|-----------------|
| Software for STEVAL-ILL035V1 evaluation board for LED strings applications   | STSW-ILL035GUI  |
| Multi-channel LED driver with integrated boost controller for medium, large LCD panel backlight based on LED7708 and STM32F103C6T 6A | STEVAL-ILL035V1 |
| Firmware for STEVAL-ILL035V1   | STSW-ILL035FW   |
| Applications   | LED rear light  |

### Description

The **STSW-ILL035GUI** is intended for use with the **STEVAL-ILL035V1** with the **STSW-ILL035FW** firmware on board. It provides a graphical interface that allows the user to control each aspect of the **LED7708** LED driver.

The **STEVAL-ILL035V1** board is optional for the GUI to function. The GUI features a 16-column grid that enables the user to configure and verify each LED channel. In addition to the grid panel, there is a property area where the user can adjust the remaining LED7708 registers. The GUI also offers the ability to export or recall any configuration from a file, and a third panel displays the expected outcome.

# 1 STSW-ILL035GUI

Figure 1. STSW-ILL035GUI



## Revision history

**Table 1. Document revision history**

| Date        | Revision | Changes          |
|-------------|----------|------------------|
| 23-Apr-2024 | 1        | Initial release. |

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