

Firmware for the STEVAL-LLL007V1 evaluation kit featuring the LED1202 LED driver



Features

- Designed for use and evaluation on NUCLEO-L073RZ development board
- Accepts custom LED pattern scripts developed in a language similar to BASIC:
 - Can be developed and controlled directly through the PC GUI
 - Can be loaded onto the NUCLEO-L073RZ board and run in Standalone Mode
- The firmware comes preloaded with default scripts

Description

The [STSW-LLL007FW](#) firmware package must first be loaded onto a [NUCLEO-L073RZ](#) development board connected to the [STEVAL-LLL007V1](#) LED driver evaluation kit.

The firmware includes several default LED pattern scripts. When you connect the NUCLEO board to a PC running the [STSW-LLL007GUI](#) graphical interface software, you can edit the scripts, or build new scripts, and then test the patterns on the LED boards directly from your PC.

You can also use the GUI to load new or edited scripts directly onto the NUCLEO development board and use the button interface to run the scripts in Standalone Mode, without PC or GUI support.

Product summary	
STEVAL-LLL007V1 evaluation board for LED1202	STEVAL-LLL007V1
GUI for STEVAL-LLL007V1 board	STSW-LLL007GUI
Firmware for STEVAL-LLL007V1 board	STSW-LLL007FW
STM32 Nucleo-64 development board	NUCLEO-L073RZ

1 Block diagrams

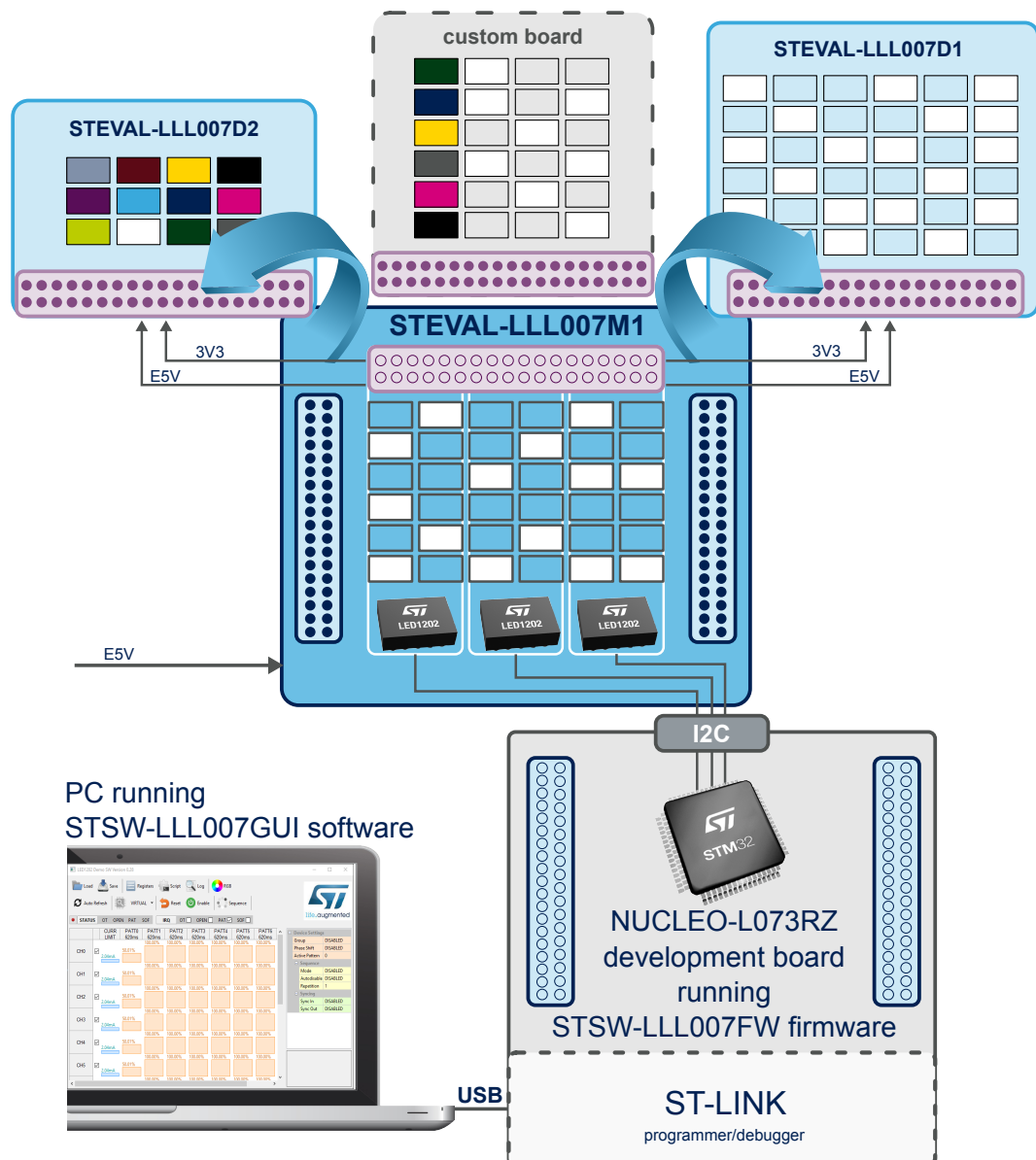
Figure 1. STEVAL-LLL007V1 block diagram

Kit consists of:

- STEVAL-LLL007M1 main board
- STEVAL-LLL007D1 panel board with 36 white LEDs
- STEVAL-LLL007D2 panel board with 12 RGB LEDs

The STEVAL-LLL007V1 can be connected to an STM32 Nucleo board for programming and debugging purposes

You can connect your own custom LED board through the same connector used to connect the panel boards with the main board



Revision history

Table 1. Document revision history

Date	Version	Changes
08-Mar-2019	1	Initial release.

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