
Manual

SmartLEDRover

Configuration Software for SmartLED Controllers

Version 0.1

11.03.2015

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1 Revision History

Date	Rev.No.	Description	Page
11.03.2015	0.1	First draft	All

2 General Description

The SmartLED controllers are devices to drive LED backlights of TFT displays. These controllers can be configured by using the SmartLEDOver Windows software.

2.1 Supported Features

2.1.1 General

- Read firmware and configuration from SmartLED controller and from file
- Write firmware and configuration to SmartLED controller and to file

2.1.2 Input

- Backlight control via analog voltage or PWM
- Input analog voltage for minimal and maximal luminance
- Select pin for backlight enable signal (standard or GPIO)
- Luminance input / output transfer characteristic

2.1.3 Output

- PWM frequency
- PWM duty cycle for minimal and maximal luminance
- Active LED outputs (1 to 4 channels)
- LED current per channel
- Support for two different operating modes – standard and night mode (NVIS)

2.2 Supported Devices

- SmartLED-II
- SmartLED-III
- SmartLED-IV

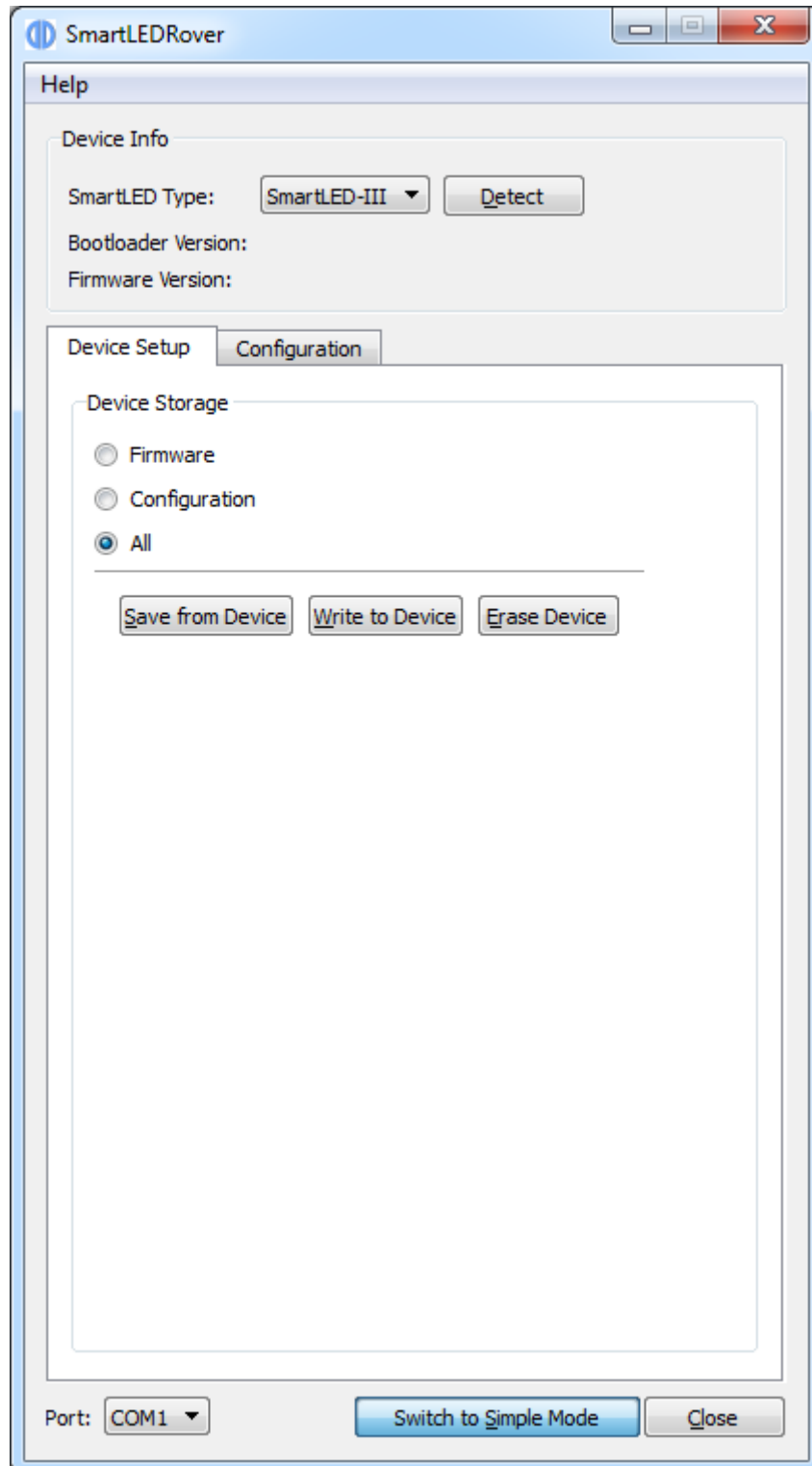
2.3 Supported Operating Systems

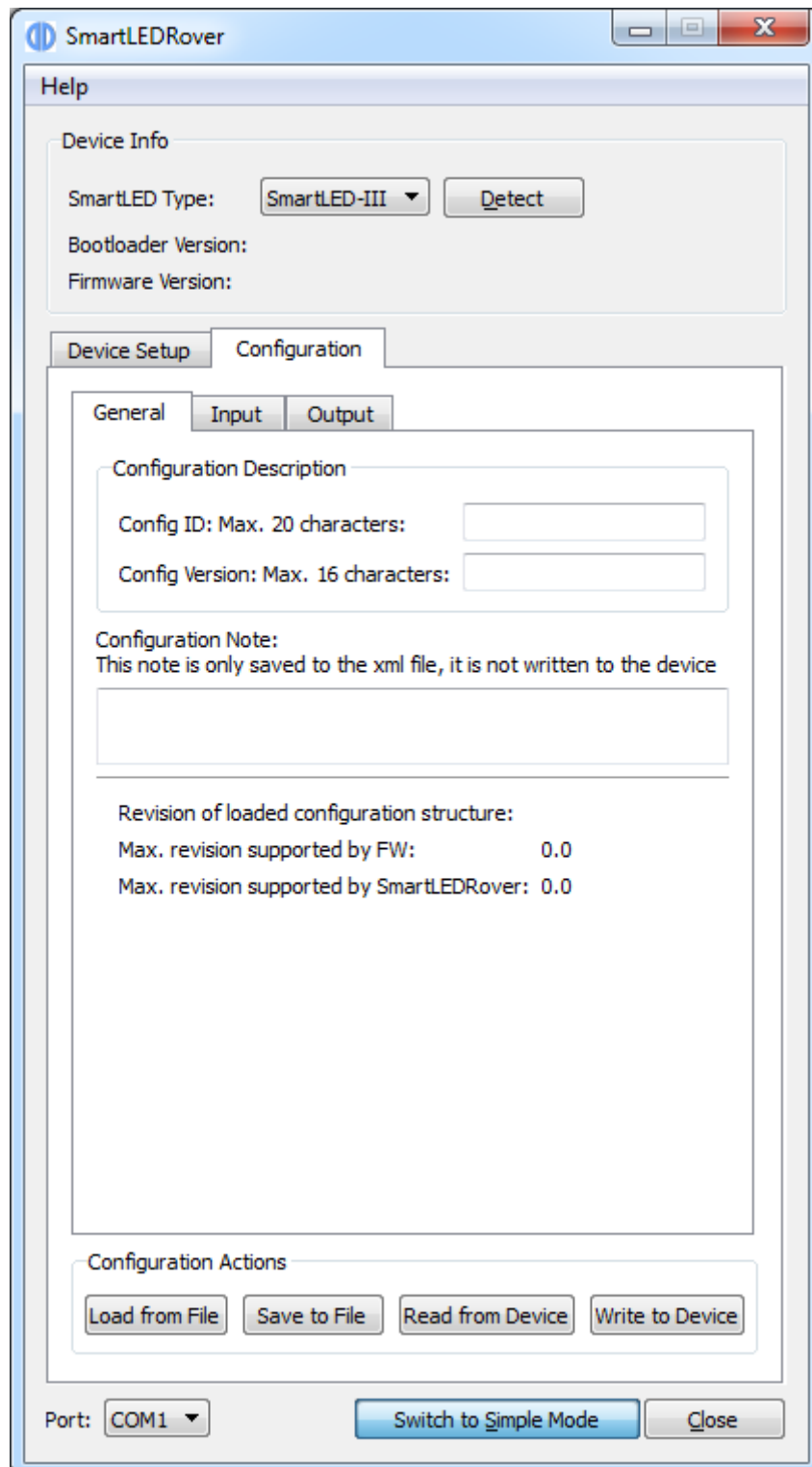
- Windows 7
- Windows 8
- Windows 8.1

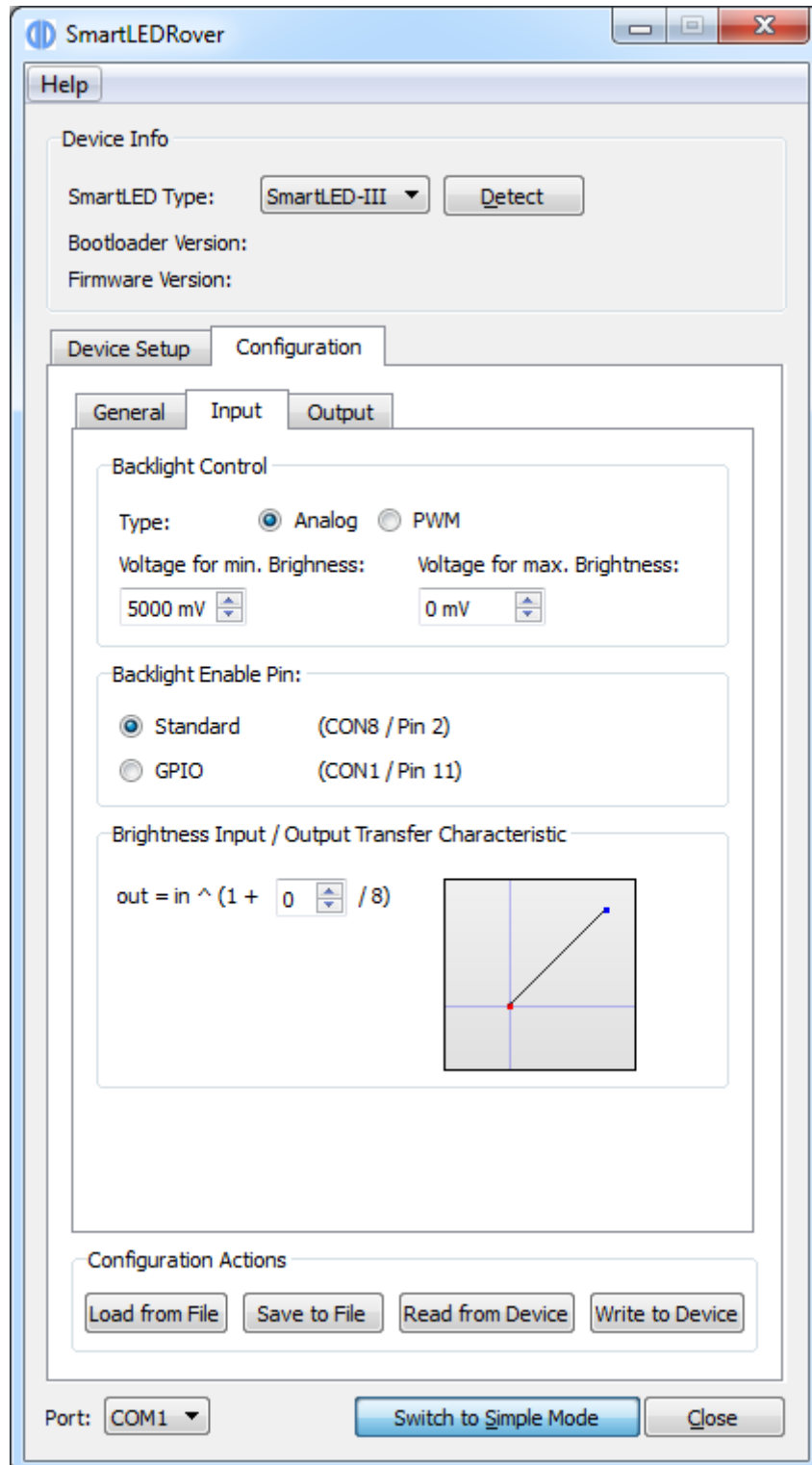
2.4 Required Hardware

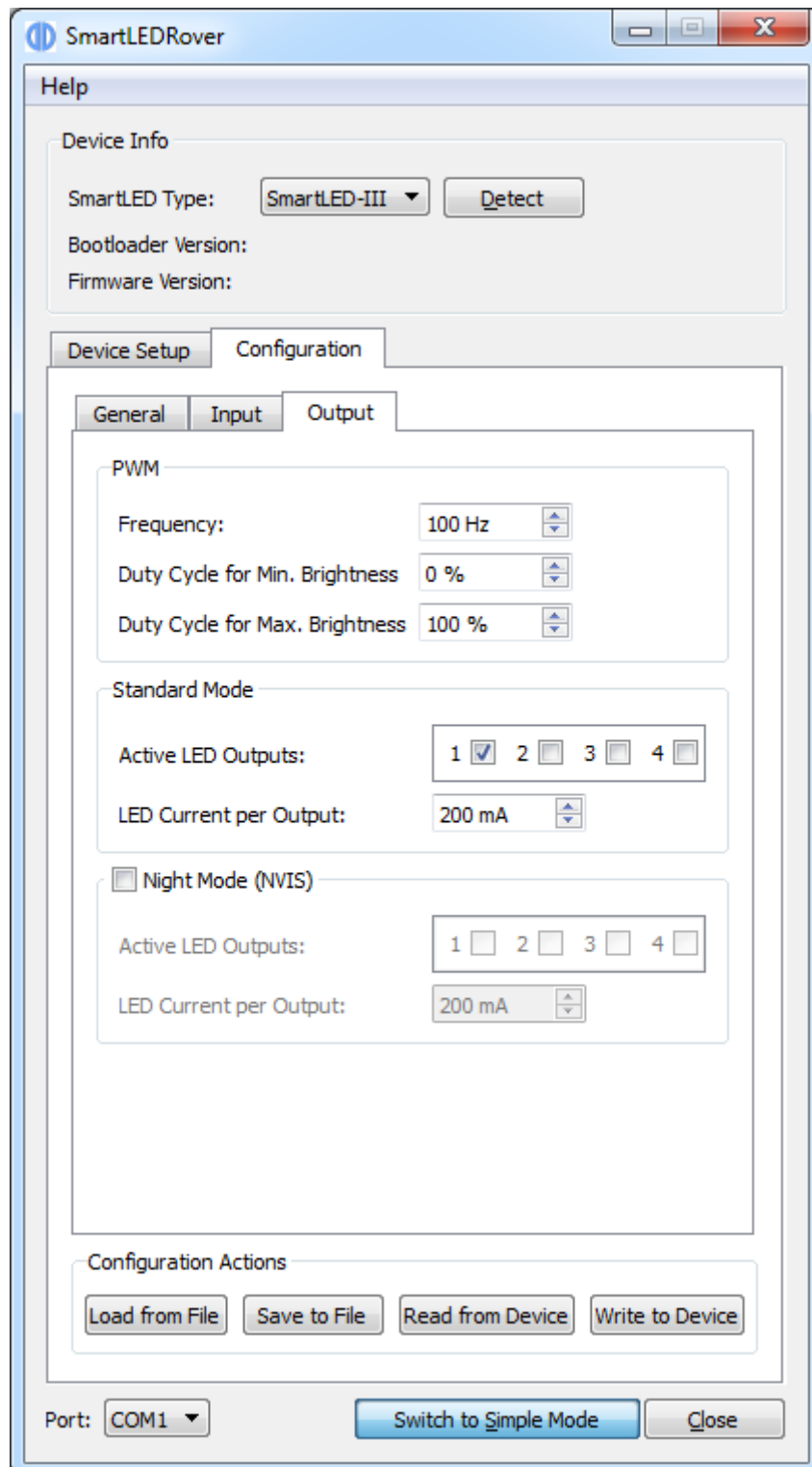
- Windows PC with COM port (RS-232)
- RS-232 adapter with cable
 - ZU-02-370 IF370-00-R10programingadap.Pris./Art.NET
 - KA-30-101 Cable Service/Debug ArtistaNET/Pris 80cm

2.5 Graphical User Interface









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