

# Flush plate NIGHT LIGHT

## Installation instructions

### 1. Characteristics of the program

NightLightConfig program is used for setting the parameters of the flush plate NIGHT LIGHT from Alcaplast. To setup the flush plate, you need to have the USB cable (mini B) and a power supply that is included in the packaging (= 12V 1A).

### 2. Program options

You can use the program to change the following settings:

- detection sensitivity of the approaching person
- detection sensitivity of the hand approach for flush
- duration of small and large flushing
- change of backlighting colour
- flush counter
- test of valve

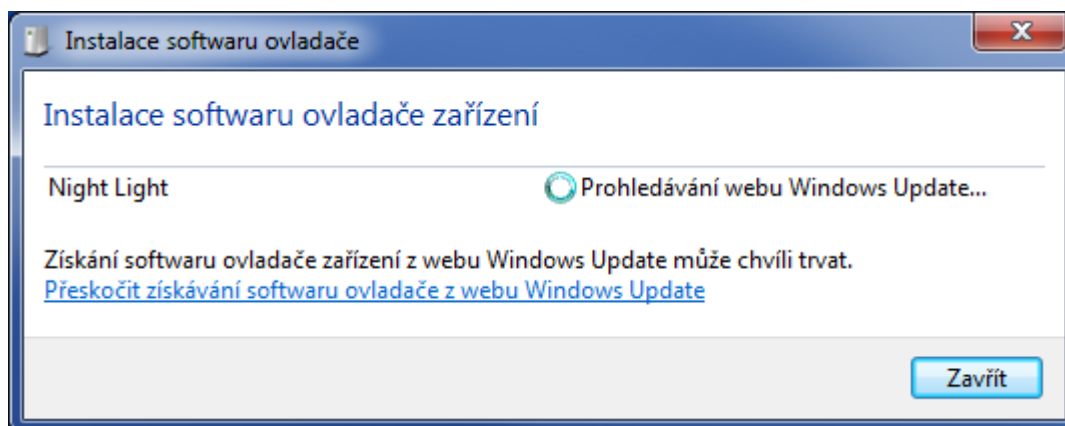
### 3. Work with the program

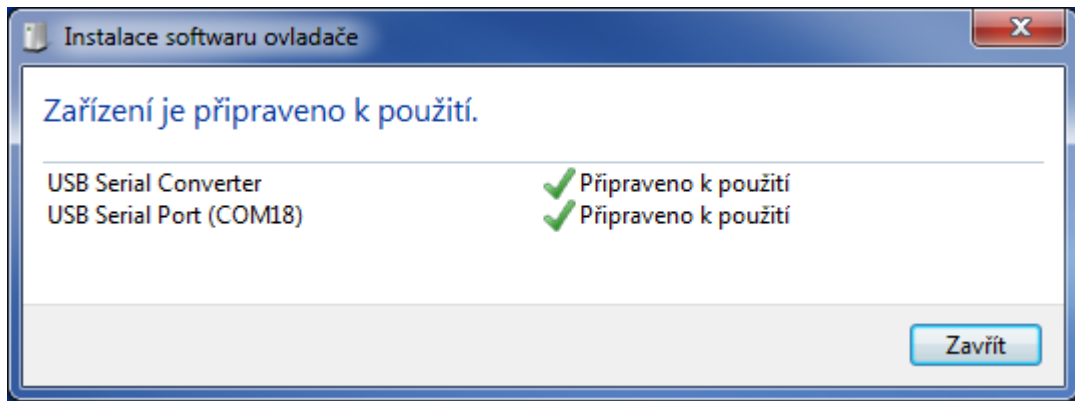
#### 3.1 Installing drivers

Before you run the setup program, you must install the drivers. Installation is required to be done by running the installer **ovladače.exe** (CDM.exe)

([https://www.alcaplast.cz/documents/alca-box/extras/sensor\\_software//CDM.exe](https://www.alcaplast.cz/documents/alca-box/extras/sensor_software//CDM.exe)).

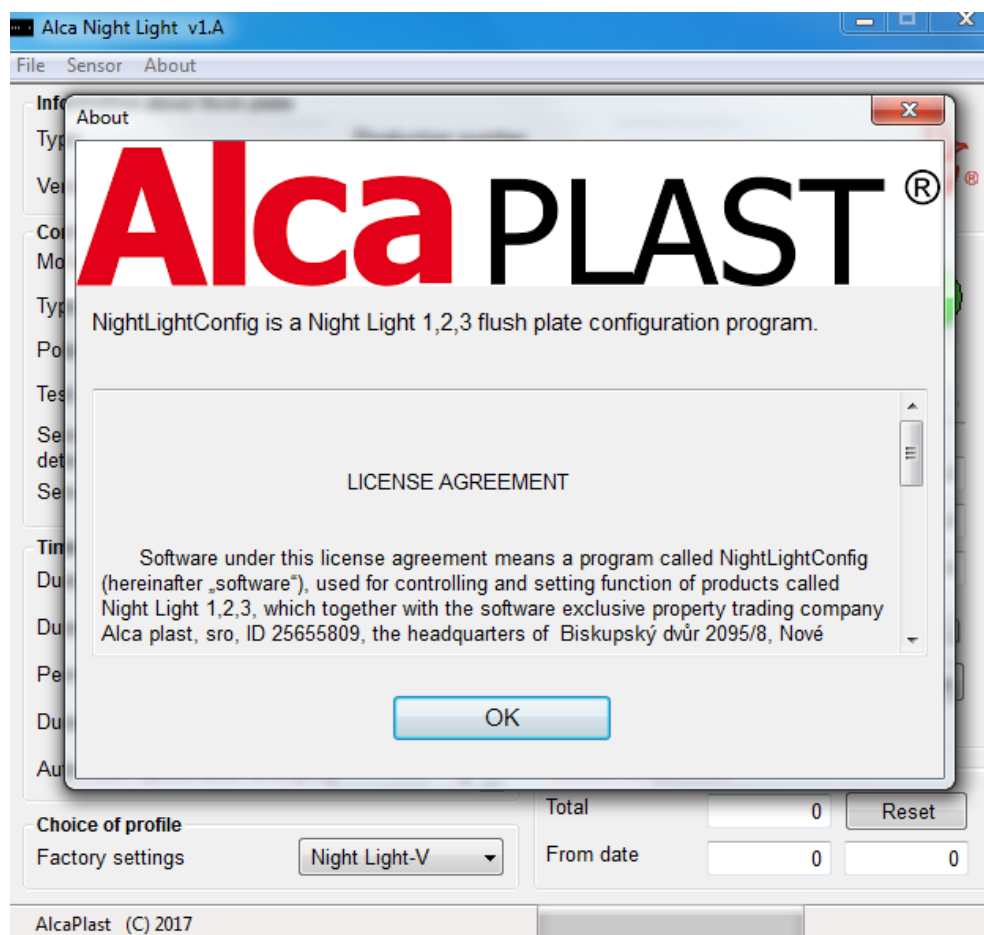
The USB connector is protected by a cap that must be removed and after work again put back. Then you can connect the flush plate using the appropriate cable. After connecting the flush plate, the operating system identifies a new hardware and loads the drivers.





### 3.2 First start of program

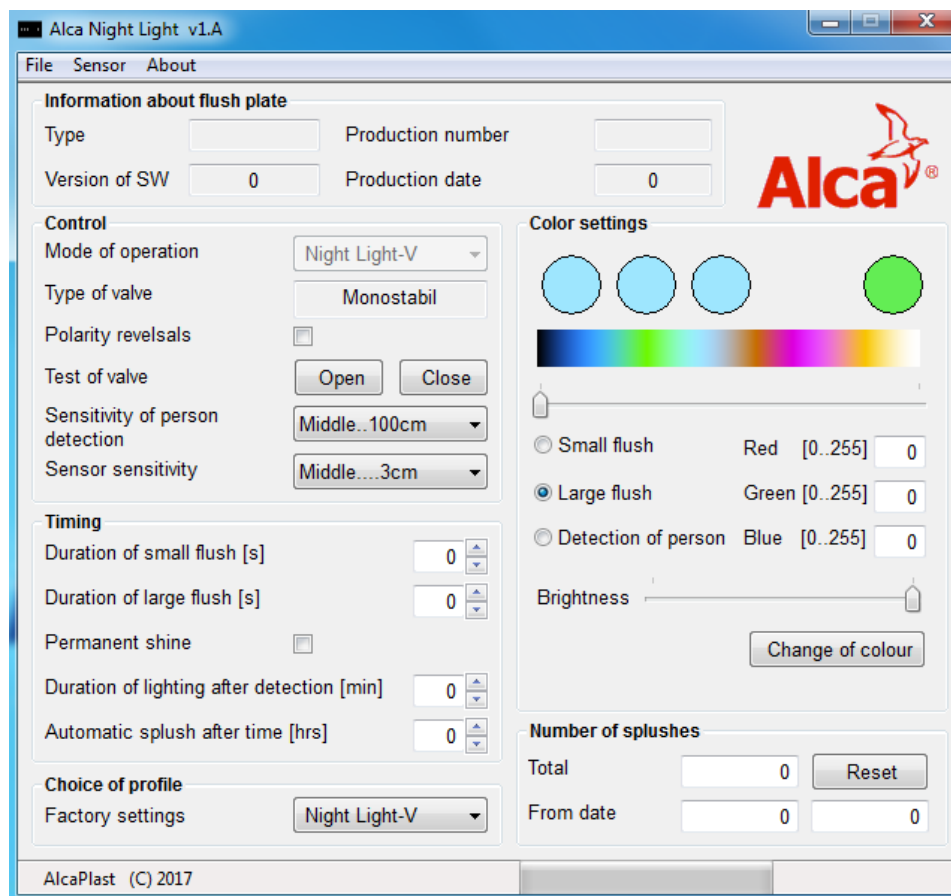
Having the drivers installed and the sensor connected, you can run the setup program NightLightConfig.exe. When you first start the program a dialog box appears displaying the license agreement. Using the program is subject to the approval of the license agreement.



Once license terms are accepted you can continue to work with the program.

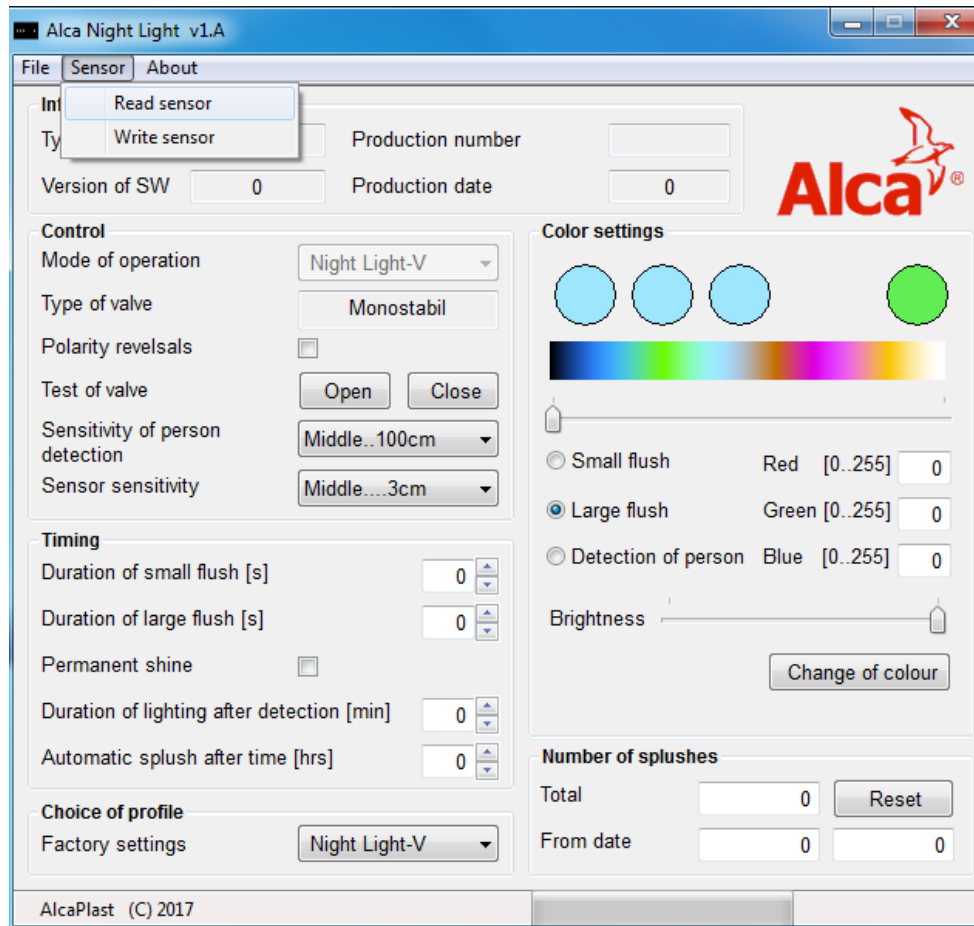
### 3.3 Flush plate settings and parameters descriptions

The program automatically identifies the connected flush plate and displays the type and serial number.



Displaying of above mentioned descriptions is a sign of good reading and driver recognition of the flush plate by the operating system. From this point it is possible to read and write parameters of the flush plate.

Reading the parameters can be done by selecting **Sensor/Read Sensor**. User-accessible parameters can be set in the main window, which is divided into several sections. Bottom status bar shows the progress of data loading.



### 3.3.1 Section "Information about flush plate"

This section contains information that cannot be changed by this program. This data was entered during the production of the flush plate. It is the type, serial number, software version and date of manufacturing.

### 3.3.2 Section "Control"

Here you can set the basic parameters of the sensor functions:

- **Mode of operation** - Displays the basic function of the sensor. Reserved for use in future versions.
- **Type of valve** - Displays the type of solenoid valve at which the flush plate is programmed.
- **Polarity reversals** - For mode NIGHT LIGHT - V does not affect the function.
- **Test of valve** - By clicking on the appropriate button it is tested opening and closing the valve.
- **Sensitivity of person detection** - This parameter can be set in three levels (Low ... 50 cm, Middle ... 100 cm, High ... 120 cm) and indicates the detection distance of a flush plate. In each stage it is possible to adapt to the specific light conditions of the space, where the flush plate is installed, by the trimer on the back side of the flush plate. Setting on the maximum sensitivity is not suitable for areas where the direct sunlight could shine.
- **Sensor sensitivity** - the sensitivity of the sensors to the approach of the hand to activate the flush (low 1 cm, middle 3 cm, high 5 cm).

### 3.3.3 Section "Timing"

In this section you can set timing parameters of the flush plate.

- **The duration of the small flush** - Sets the duration of a small flush and thus the volume of water used.
- **The duration of the large flush** - Sets the duration of a large flush and thus the volume of water used, whose maximum is limited by the WC cistern volume.
- **Permanent shine** - Setting allows continuous lighting, even if not detected the presence of person.
- **Duration of lighting after detection** - Sets the duration of lighting after the end of the person detection.
- **Automatic flushing after time** - Setting a value greater than **0** activates automatic flush after a defined number of hours.

### 3.3.4 Section "Choice of profile "

It allows you to return the flush plate parameters to the factory settings.

- **Factory settings** - Set all values to the factory settings.

### 3.3.5 Section "Color settings"

The section includes controls for setting the backlight of the sensor of a small flush, large flush and the backlight after detecting the persons.

The following picture shows:

- selected colours for large and small flush
- display colour palette
- a horizontal slide element for colour choice

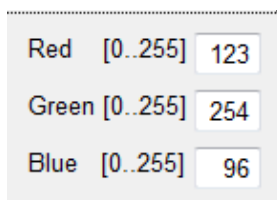


- **Small flush** - Enables adjusting colors for illumination sensor of a small flush. The colour change is performed by the slider under the colour palette and the currently chosen color will be indicated in the circle on the right (see previous illustration).
- **Large flush** - Enables setting colors for illumination sensor of a large flush.

The colour change is performed by the slider under the colour palette and the currently chosen color will be indicated in three circles on the left (see the previous picture).

- **Detection of the person** - activates adjusting colors for illumination flush plate when detecting a person. The colour change is performed by the slider under the colour palette and the currently chosen colour is indicated in all four colour circles (see preceding illustration).

On the following picture are text fields that display the currently selected color by the numerical value of each color component.



In these fields it is possible to set values between 0 and 255 and thus select any color shade.

- **Brightness** - The horizontal sliding feature allows you to adjust the level of light intensity of the flush plate and is common for all three features.

- **Change of colour** - This button sends preset colour to the connected flush plate that make the colour change according to the choice of the lighting sensor.

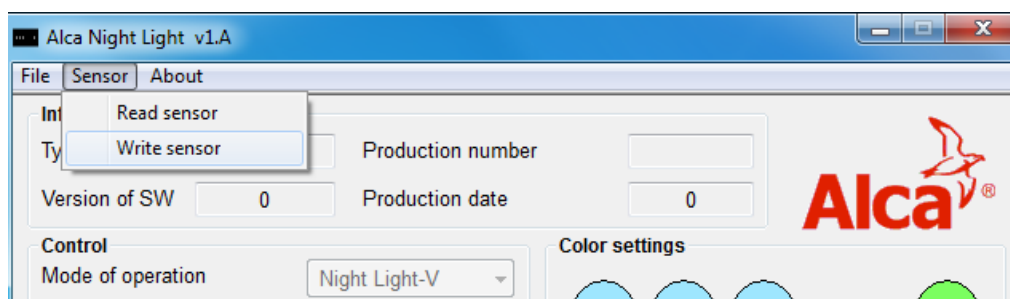
### 3.3.6 Section "Number of flushes"

- **Total** - Text field counter showing the total number of flushes. This counter cannot be reset.

- **From date** - Text field counter showing the number of flushes from the date shown on the right from this counter.

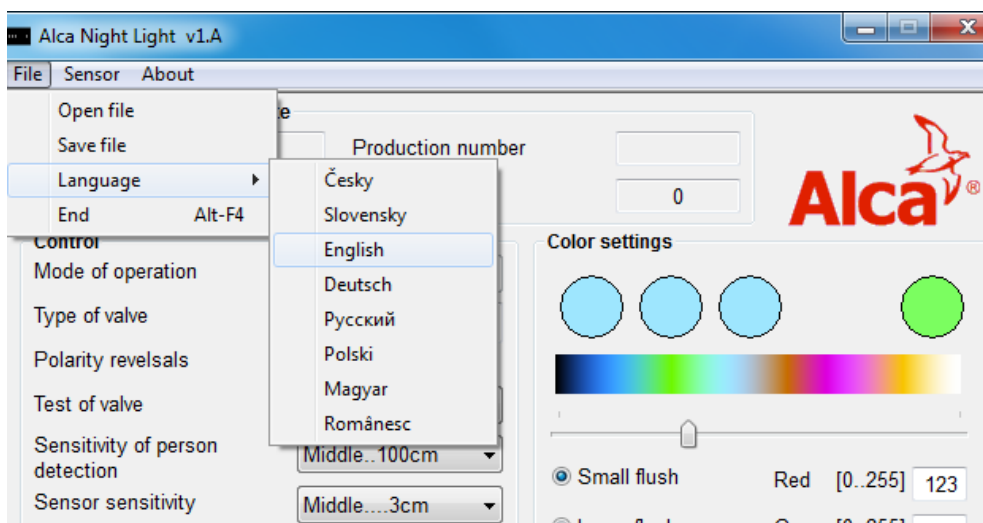
- **Reset** - Button resets the counter **From date** and updates the date.

**After setting all the parameters it is necessary to store the settings in the memory of the flush plate. This could be done by the main menu option Sensor / Write Sensor.**



### 3.4 Saving the configuration file, retrieving and language change

In the option **File** in the main menu you can do saving "**Save file**" or loading "**Open file**" of chosen flush plate configuration to a file.



The next item is a choice of "**Language**" - one out of eight languages.  
The last item "**End**" terminates the program.