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**Service Box
-Architainment Suite-**

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Service Box Architainment Suite – General

With the Service Box Architainment Suite you can change all necessary operating parameters for **Siteco LED Plus** outdoor luminaires and create colour sequences including up to 100 individual colour scenes. The settings and sequences can be exported to the Service Box and be stored on the luminaire on site later.

The Service Box Architainment Suite is an executable program. No installation is required. Write access for the destination folder has to be ensured at any time.

The program is tested for Windows XP, Vista.



Service Box Architainment Suite – Software

- 1: Menue

Settings files can be stored or opened on the PC with the „File“ menue.

Settings files are stored and opened as Architainment Tool files „*.act“ on your PC.

With the „Device“ menue you are able to select one of the currently available **Siteco LED Plus** devices.

New devices can be downloaded at www.siteco.com



Service Box Architainment Suite – Software

- 1: Menue

With the „Import/Export“ menue, settings can be exported to the Service Box.

A sequence can also be read from the luminaire on site and be imported from the Service Box.

For further information please read page 16.

You can select between german and english language in the „Language“ menue.

The help file will be displayed in the corresponding language.



Service Box Architainment Suite – Basic Settings

- 3: Dimmlevel

For each operating mode, the dimming levels can be adjusted with the sliders.

Attention: The complete dimming range is not available for all luminaires. Please read the luminaire specification

Depending on the operating mode (Reduction Mode), only the valid sliders for that mode are enabled.

The next page contains more information about the operating modes.

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Service Box Architainment Suite – Basic Settings

- 4: Operating modes „Reduction Mode“

Following operating modes are supported:

- Reduction Off:

The luminaire always remains in the Power On Level

- Reduction at Signal 0V:

A change of the reduction wire from 230V to 0V leads to a change to the „Reduction Level 1“

- Reduction at Signal 230V:

A change of the reduction wire from 0V to 230V leads to a change to the „Reduction Level 1“

- Reduction by Timer



Service Box Architainment Suite – Basic Settings

- 4: Operating modes „Reduction Mode“
 - Reduction by Timer:

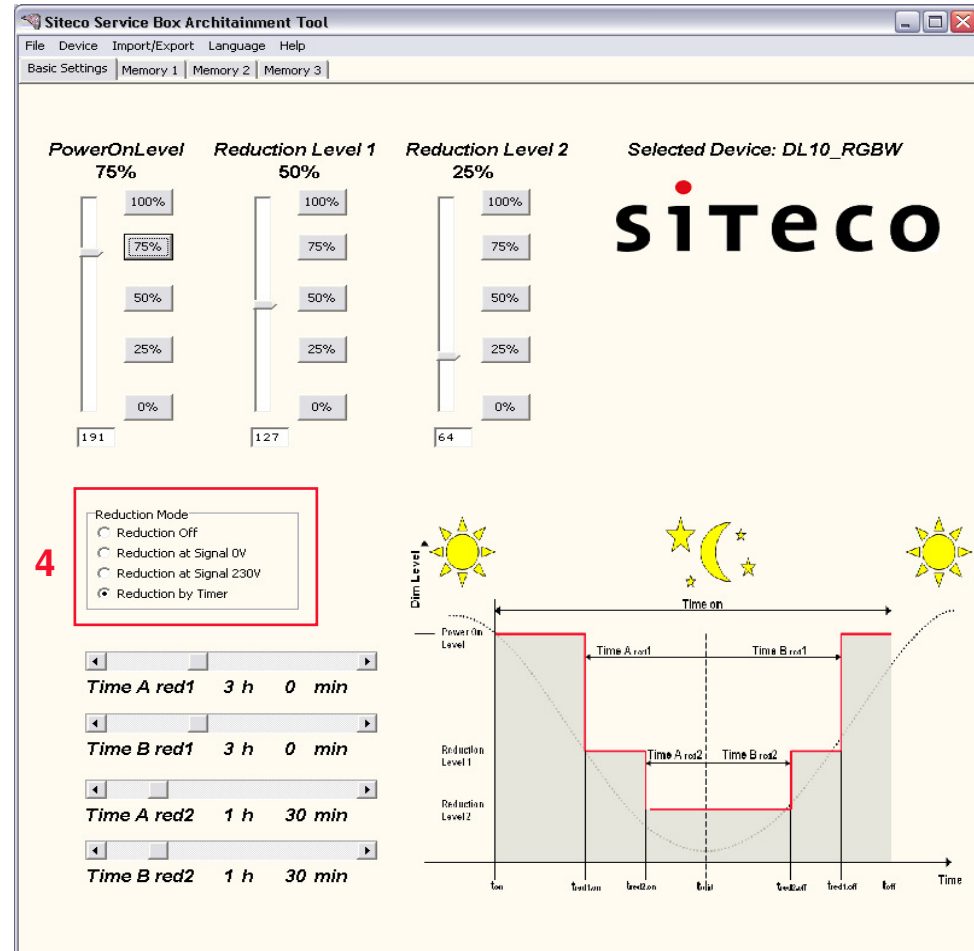
All **Siteco LED Plus** luminaires are fitted with an internal timer that enables reduction functionalities without reduction wire.

The luminaire stores the operating times of the last four days and calculates the average operating time.

The average operating time is divided by two. The result is t_{mid} .

Starting from that timebase you are able to define four times in 5min steps and the luminaire reduces to „Reduction Level 1“ and „Reduction Level 2“ during that times.

As a result of taking only the last four days into account, the luminaire adapts automatically to seasonal changes of the operating times.



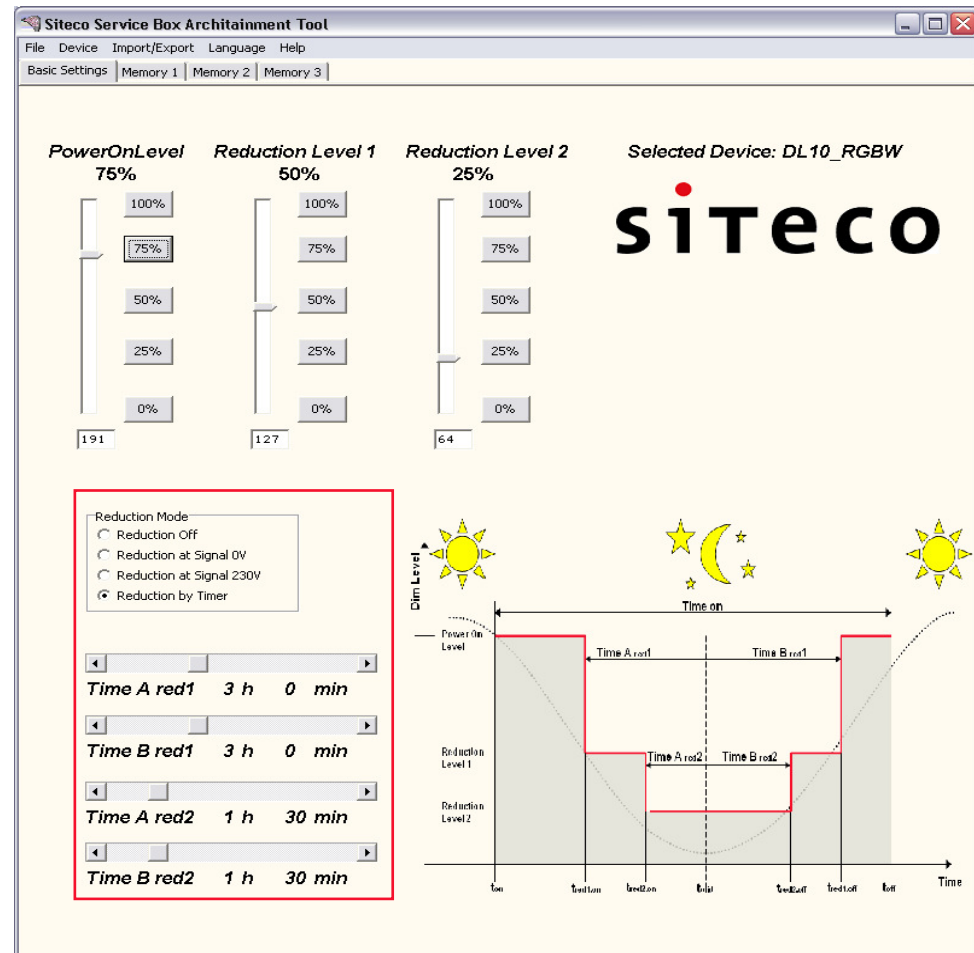
Service Box Architainment Suite – Basic Settings

- Reduction by Timer:

Example:

The luminaire is switched on at 8:00pm and switched off at 6:00am

- operating time 10h, tmid= 5h (=1:00 am)
Power On Value 75%, Reduction Value 1 50%, Reduction Value 2 25%
- Time Ared1 and Bred1 set to 3h
- Time Ared2 and Bred2 set to 1h 30min
- 8:00 pm to 10:00 pm: Luminaire operates at 75% dimmlevel (Power On Level)
- 10:00 pm to 11:30 pm: Luminaire operates at 50% dimmlevel (Reduction Level 1)
- 11:30 pm to 2:30 pm: Luminaire operates at 25% dimmlevel (Reduction Level 2)
- 2:30 am to 4:00 am: Luminaire operates at 50% dimmlevel (Reduction Level 1)
- 4:00 am to 6:00 am: Luminaire operates at 75% dimmlevel (Power On Level)



Service Box Architainment Suite – Colour settings (only RGBW luminaires)

- 5: Choice buttons

You can either select all colour bars (one colour) or assign a colour to the upper resp. the lower bar (two colours).

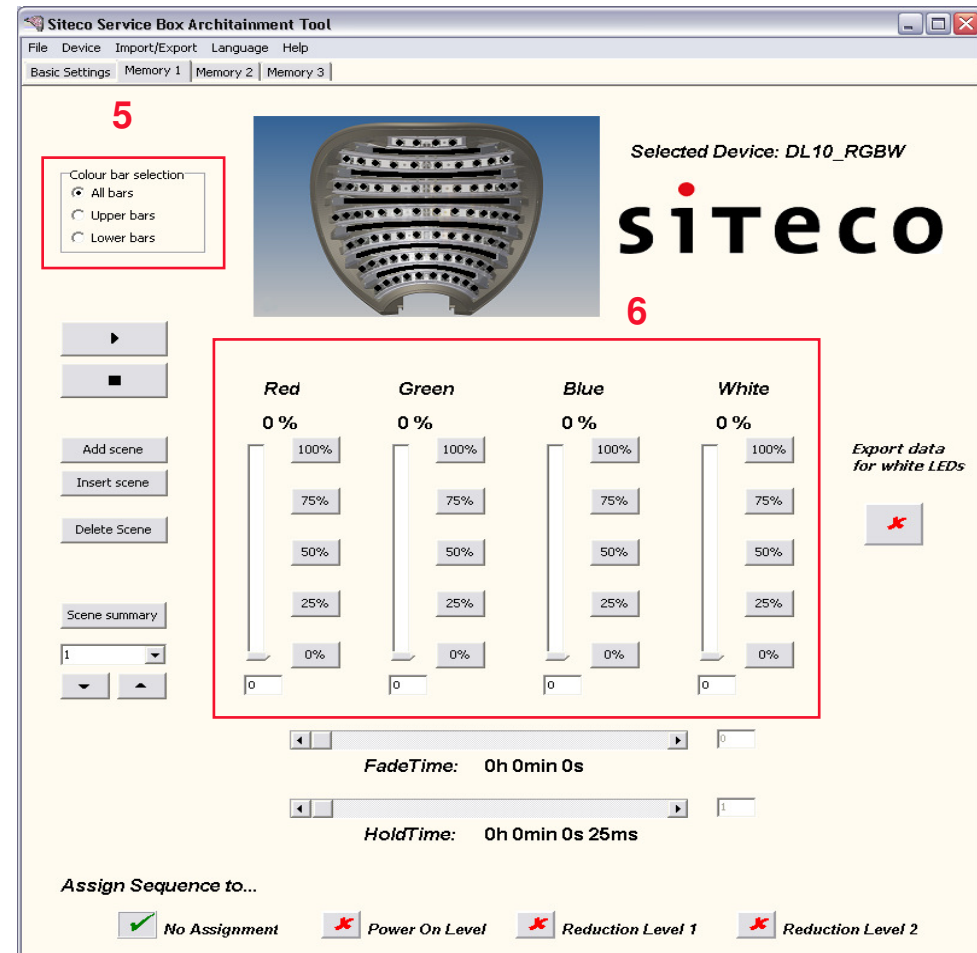
This selection can be changed for every single scene.

- 6: Colour sliders

The desired colour can be mixed with the three sliders for red, green and blue. (additive rgb mixture).

The white LEDs can be controlled optionally.

(please read page 14, „Sequence including white LEDs“)



Service Box Architainment Suite – Colour settings (only RGBW luminaires)

- 7: Luminaire head

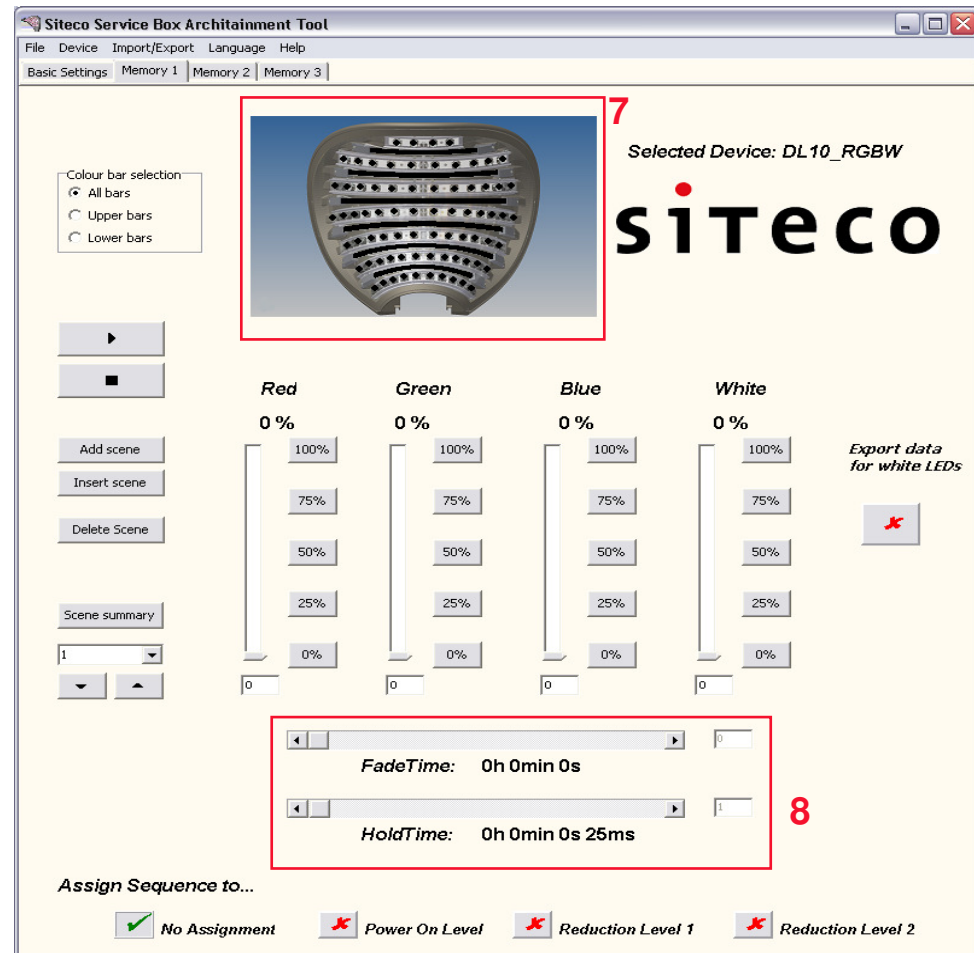
The adjusted colour is displayed on the luminaire head.

If the desired colour is not known, a colour selection window can be called by double-clicking the luminaire head.

- 8: FadeTime and HoldTime

If the sequence consists of more than one scene, the cross-fade time (FadeTime) to the scene and the following Hold Time of the scene can be set with the two sliders.

The times are adjustable from 25ms to 8h.



Service Box Architainment Suite – Colour settings (only RGBW luminaires)

- 9: Edit scenes

Scenes can be added, inserted or deleted by pushing the according button.

To check a certain scene, the scene can be selected with the drop-down window.

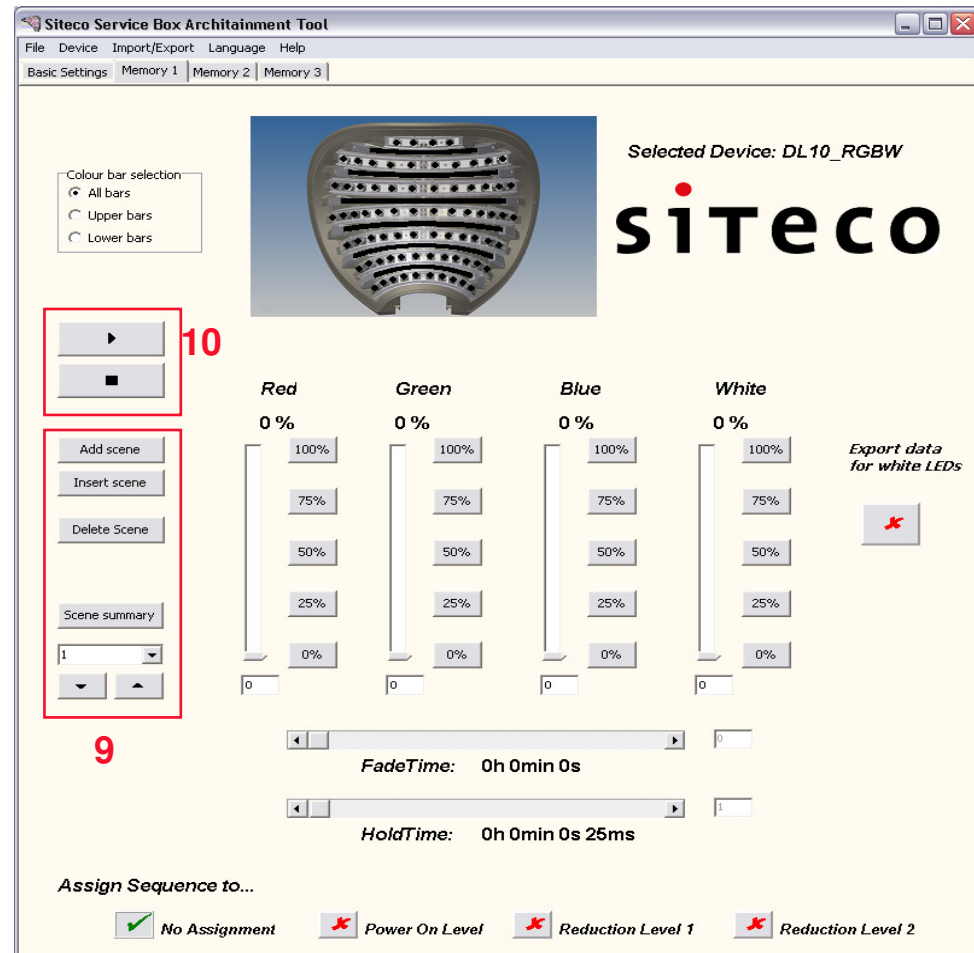
With the two arrow keys you can switch to the previous or following scene.

The button „Scene summary“ opens a window as shown on the next page.

- 10: Start / Stop playing

The Simulation can be started or stopped with these two buttons.

The simulation runs in realtime and starts always with the first scene.

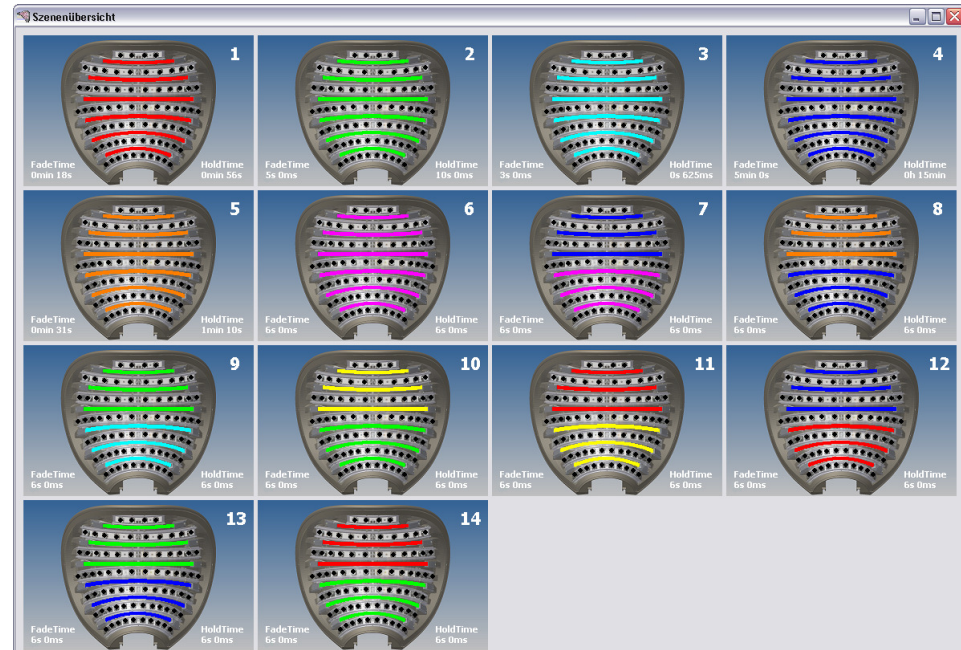


Service Box Architainment Suite – Colour settings (only RGBW luminaires)

- Scene summary

This window shows a summary of all created scenes, including scene numbers, FadeTime and HoldTime.

If a scene has to be re-edited, the scene can be selected by clicking on the according icon.



Service Box Architainment Suite – Colour settings (only RGBW luminaires)

- 11: „Export data for white LEDs“

If this box is checked the white LEDs are part of the sequence when the sequence is exported to the Service Box. Otherwise the white LEDs will remain in their normal status on site.

(Power On level/Reduction level1 and 2)

Please read page 14,

„Sequence including white LEDs“.

- 12: Assign sequence to ...

With these buttons you can assign the sequence to an operating mode (Power On Level, Reduction Level 1 or 2).

Each time one of the three modes is called, the assigned sequence starts.



Service Box Architainment Suite – Sequence including white LEDs

If the box „Export data for white LEDs“ was checked when a sequence is exported to the Service Box, data for the white LEDs is also exported.

If the sequence is assigned to a state later, please remind that the preset white values for Power On level and Reduction level are not valid any more.

If a sequence including white LEDs is assigned to the Power ON level, a second sequence including white LEDs for the Reduction level has to be created and transmitted to the luminaire. Otherwise the white LEDs will switch off when the Reduction state is called!



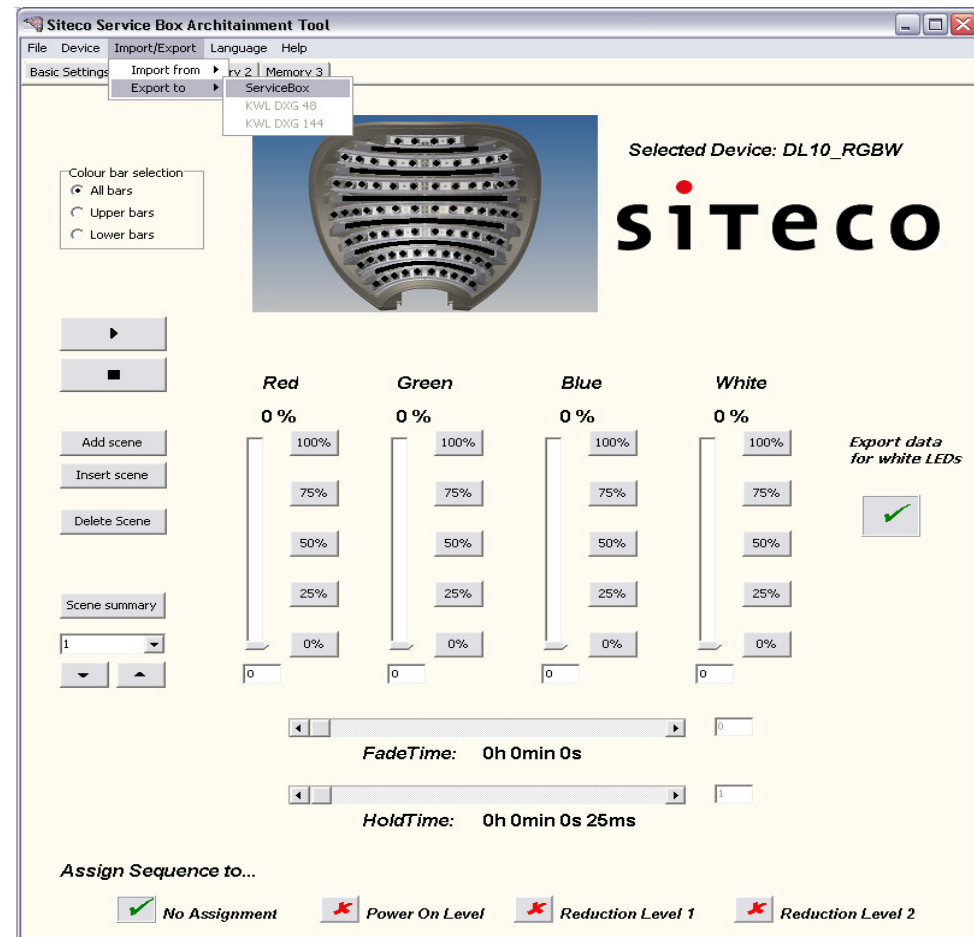
Service Box Architainment Suite – Export to Service Box

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The Service Box is connected to the PC with a USB Mini cable. There may be no connection to the luminaire or the power supply.

The Service Box display shows „Siteco USB Mode“.

The PC identifies the Service Box as mass storage device .



Service Box Architainment Suite – Export to Service Box

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The file name is limited to 8 characters.

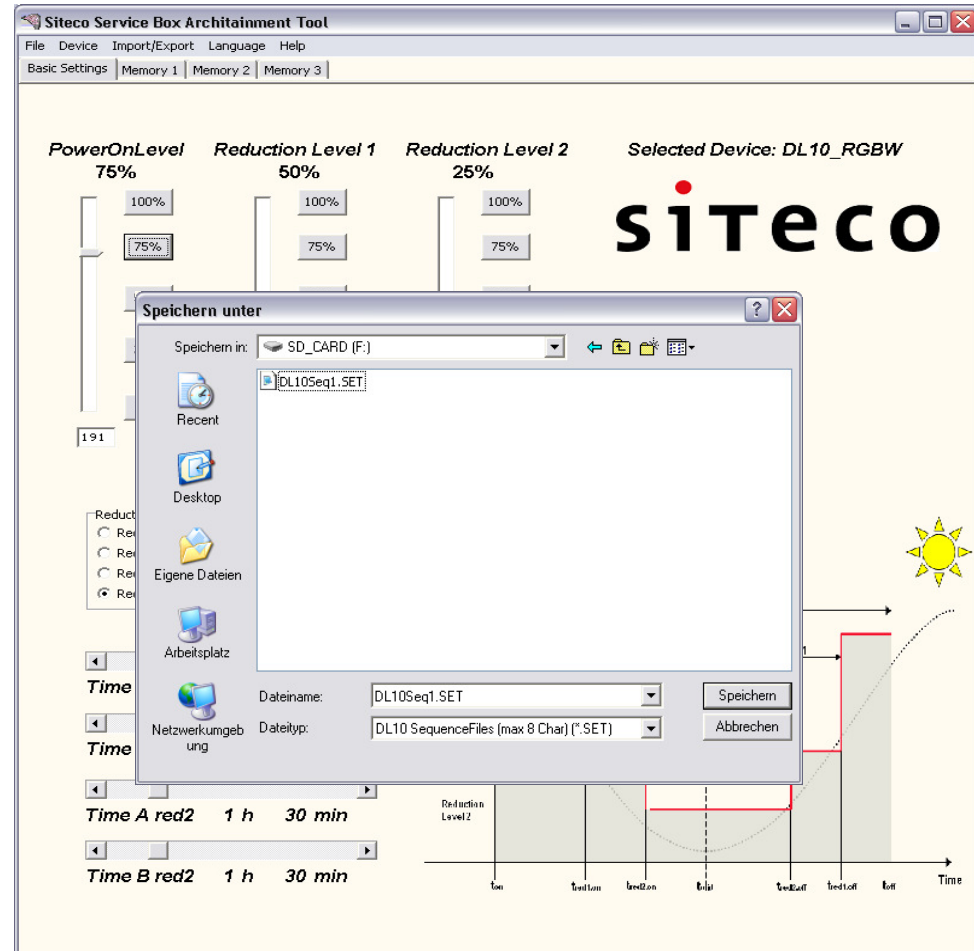
The first four characters may not be changed.

The last four characters can be assigned by the operator. The Sequence files have to be located in the root folder.

After the export, the sequence can be written to the luminaire later.

Prerequisite is a certain software version of the luminaires. If not, the Service Box shows an error and a software update of the luminaire is necessary.

For further information please read the Service Box user manual. (page.22 ff.)



Service Box Architainment Suite – Information

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Because of the different colour spaces, the colours that are displayed on the PC monitor are always slightly different from the resulting colours on the DL10.

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Subject to change without notice!



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