Application note

spaceLYnk upgrade procedure

Compatibility of Firmware and Project, Import/Export of graphic parts and Firmware upgrade process

Schneider Electric

Safety Information

Important Information

Read these instructions carefully before trying to install, configure, or operate this software. The following special messages may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of either symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠DANGER
DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠WARNING
WARNING indicates a potentially hazardous situation which, if not avoided, can result in death or serious injury.

⚠CAUTION
CAUTION indicates a potentially hazardous situation which, if not avoided, can result in minor or moderate injury.

NOTICE
NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this signal word.

Schneider Electric

Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Safety Precautions

⚠WARNING
HAZARD OF INCORRECT INFORMATION • Do not incorrectly configure the software, as this can lead to incorrect reports and/or data results. • Do not base your maintenance or service actions solely on messages and information displayed by the software. • Do not rely solely on software messages and reports to determine if the system is functioning correctly or meeting all applicable standards and requirements. • Consider the implications of unanticipated transmission delays or failures of communications links. **Failure to follow these instructions can result in death, serious injury, or equipment damage.**

Schneider Electric

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information that is contained herein. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

No part of this document may be reproduced in any form or by any means, electronic or mechanical, including photocopying, without express written permission of Schneider Electric.

All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

Failure to use Schneider Electric software or approved software with our hardware products may result in injury, harm, or improper operating results.

Failure to observe this information can result in injury or equipment damage.

Schneider Electric

Table of Contents

Schneider Electric

1 Introduction

This application note describes compatibility of projects, firmware itself and one chapter which describes how to obtain new SVG Schneider Electric icons.

A glossary is available in the appendix chapter of this document. Please refer to it whenever necessary.
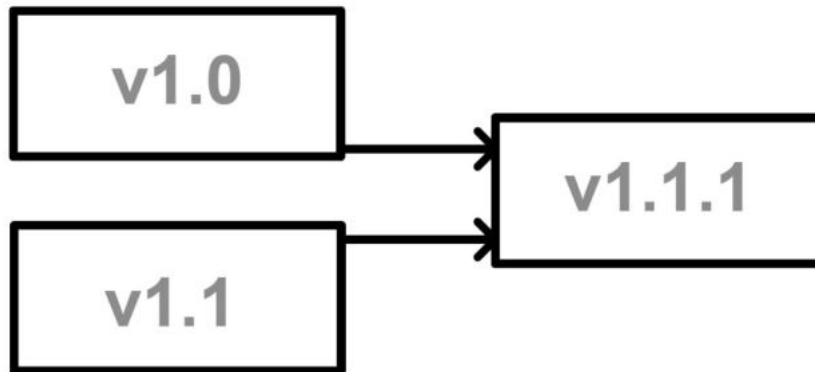
Competencies

This document is intended for readers who have been trained on homeLYnk, spaceLYnk products. The integration should not be attempted by someone who is new to the installation of either product. In addition we recommend that you be familiar with user guide.

System prerequisites

Software	Version	Download
spaceLYnk	1.1.1	http://www.schneider-electric.com

Table 1: software versions of used software

Schneider Electric

2 Firmware compatibility table

Process	Description
v1.0 -> v1.1.1	spaceLYnk does not delete project during firmware upgrade (**we strongly recommend backup spaceLYnk every time in case of power interruptions**) Custom blocks function was not present on this version.
v1.1 -> v1.1.1	spaceLYnk does not delete project during firmware upgrade (**we strongly recommend backup spaceLYnk every time in case of power interruptions**) **Custom blocks** are not preserved during firmware upgrade of spaceLYnk. Please use fix package "FIX_Preserve_blocks_during_FW_upgrade_for_sl_1.1.0_hl_1.3.0" which should be installed before FW upgrade to higher version. Fix package can be installed via **Install updates** in Configurator -> Utilities.

Warning:

- **Restoration of project in older firmware version, than it was created is not supported!**
- **Downgrade of FW is not supported!**

Schneider Electric

3 New SE SVG icons

Firmware v1.1 contains new graphical Schneider Electric icons. Big advantage of these icons is their format – SVG. SVG icons are fully scalable without any impact to quality of icon. For more details about SVG format please see AN006.

3.1 New SE SVG icons in version 1.1.0

These icons are fully available in devices with factory pre-loaded 1.1.0 firmware.

Warning: Restoration of project will overwrite all existing graphics. Graphics is part of the project backup.

3.2 How to obtain SVG icons after upgrade to 1.1.0 without preserving project

If you want to see new svg icons after FW upgrade to v1.1.0, please carry out factory reset.

Warning: Factory reset will erase your project!

3.3 How to obtain SVG icons after upgrade to 1.1.0 preserving project

Package with new icons can be downloaded from http://www.schneider-electric.com/. Please observe Documents and Downloads tab related to spaceLYnk. This package can be safely uploaded and used in existing project.

3.4 New SE SVG icons since v1.1.1

- Schneider Electric SVG icons are uploaded to the device every time during FW upgrade process.
- Origin graphics in the project is preserved. SVG icons will join to existing graphics.
- New icons with the same name as existing icons will be ignored during upload.

Schneider Electric
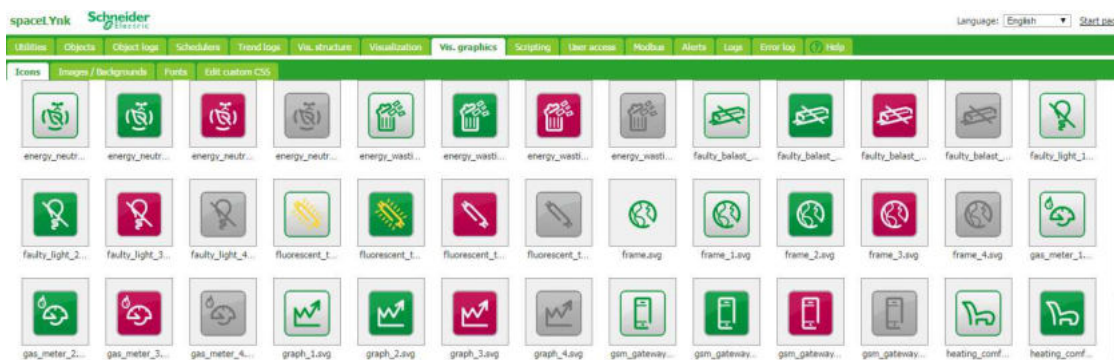
4 Overview of import/export options

This table describes possibilities of import/export in the system.

Function	Note	v1.0	v1.1
Complete Project	**Export/Import** of whole project	✔	✔
Object logs	**Export** of all object logs		✔
Trends	**Export** Day/Month/Year data	✔	✔
Levels/Plans	Whole visualization or only part can be **Exported/Imported**		✔
Layouts/Widgets	Whole layouts or widgets can be **Exported/Imported**		✔
Fonts	Custom fonts can be **Imported**		✔
Scripts	All scripts can be **Imported/Exported**	✔	✔
User libraries	User libraries can be **Imported/Exported**	✔	✔
Script helpers	Script helpers can be **Imported/Exported**	✔	✔
Modbus profiles	Modbus profiles can be **Imported**		✔

Schneider Electric

5 Firmware upgrade

5.1 Firmware upgrade step-by-step

Firmware consists of three steps:

1) Open Configurator
2) Upgrade firmware
3) Clean web browser cache

Step 1: Open Configurator

a) Open your web browser
b) Connect to device – fill IP address
c) Click to Configurator icon
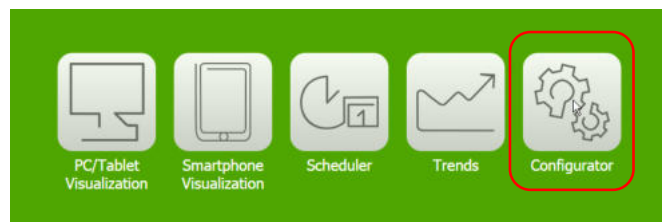
Step 2: Upgrade firmware

a) Click to System icon
b) Open System tab
c) Choose Firmware upgrade
d) Choose already downloaded firmware file
e) Wait 5 minutes
f) Return to the Start page – insert IP address of spaceLYnk as URL

Upgrading firmware, please wait. Do not unplug your device!
Seconds remaining: 298
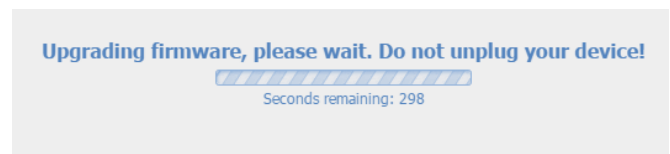
Step 3: Clean web browser cache

Chrome:

a) Click to Customize and control Google Chrome icon on top right corner of browser and open History
b) Click to Clear browsing data
   - **Shortcut: CTRL + Shift + Delete**
c) Tick only Cached images and files box
d) Choose clear cache since "The beginning of time"
e) Press Clear browsing data

Schneider Electric
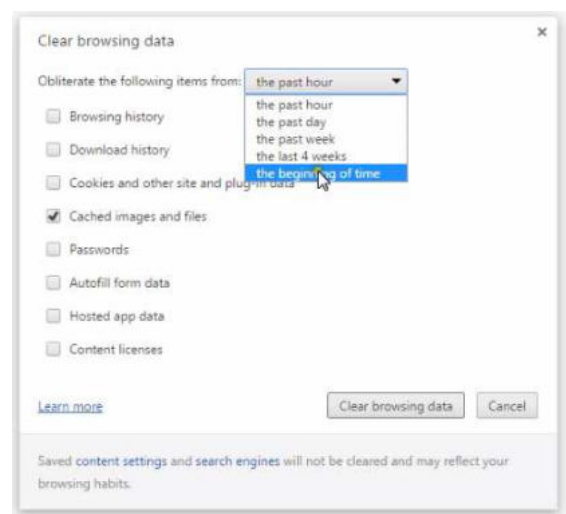
Firefox:

a) Click to Open menu icon on top right corner of the browser

b) Open History and choose Clear recent history
- Shortcut: **CTRL+SHIFT+DEL**

c) Tick only Cache box

d) Choose Time range to clear "Everything"
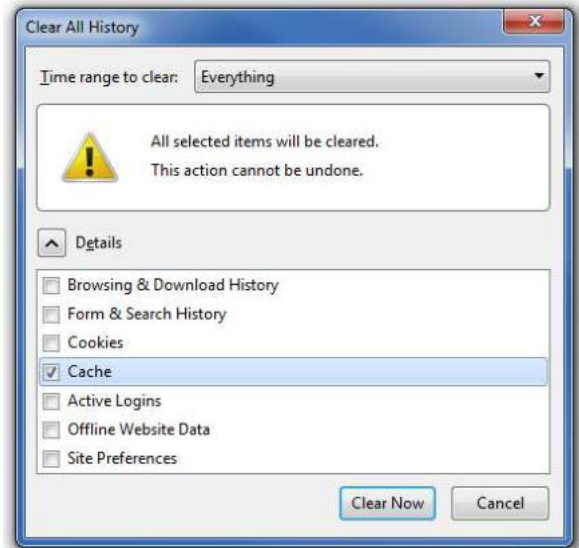
Device is now prepared with upgraded-actual software.

5.2 Video manual for firmware upgrade

Click the picture to start tutorial video
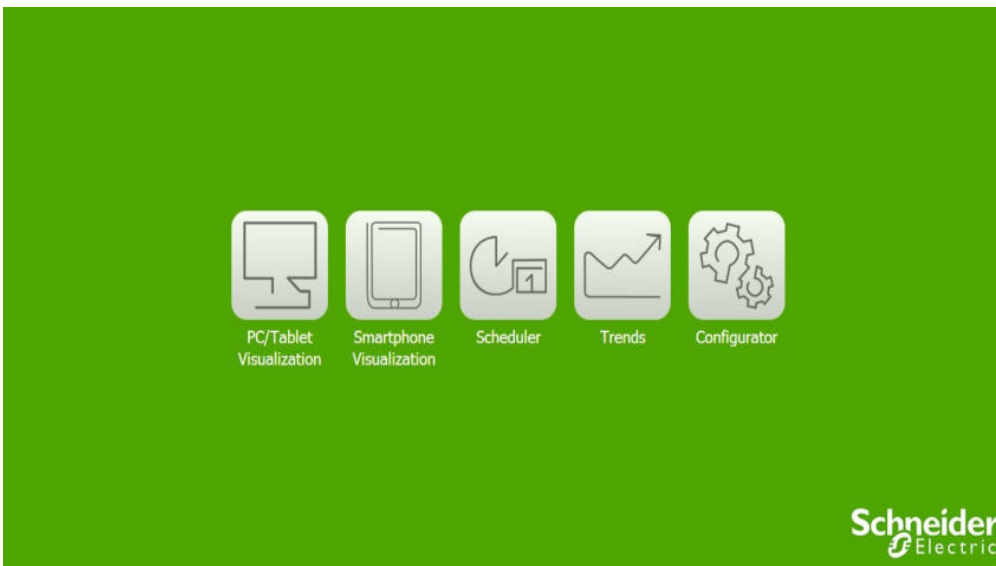
6 Import/Export of graphical parts

This feature is available in software version 1.1 and up. Whole visualization, selected levels, layouts, widget and plans can be exported or imported. This feature also contains possibility to import part of graphics with or without linked objects / group addresses.

6.1 Export of graphic parts

Export of graphics consists of two steps:

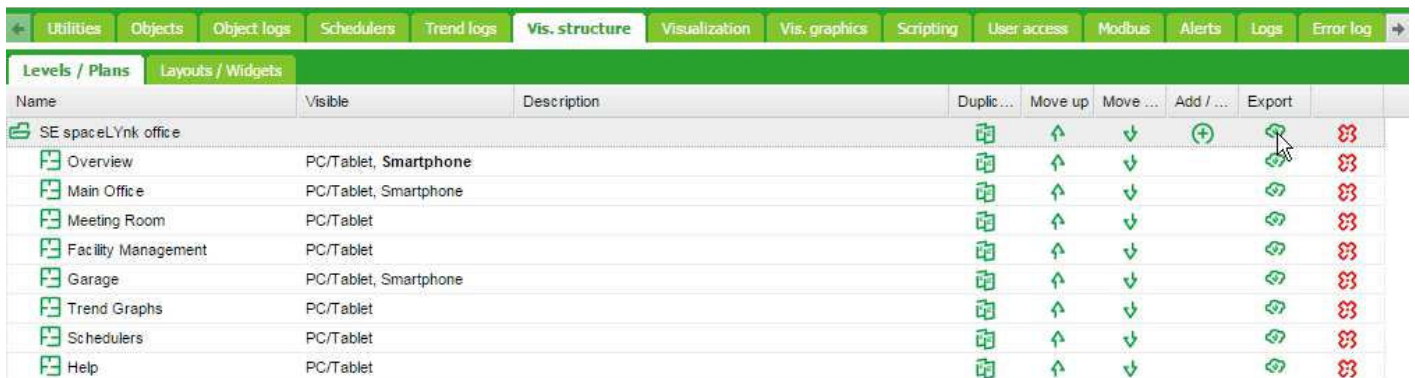1) Open Vis. Structure – Levels/Plans
2) Choose part of graphics for export

Note: In this case we will export main level. Process for export widget or layout is identical.

Step 1: Open Vis. Structure – Levels/Plans

a) Click to Vis. Structure tab
b) Open Levels / Plans

Step 2: Choose part of graphic for export

a) Choose part of visualization and press export icon in "**Export**" column

Export of graphic is now created.

Schneider Electric

6.2 Import of graphic parts

Export of graphics consists of two steps:

1) Open Vis. Structure – Levels/Plans
2) Choose proper place for import and click import

Note: In this case we will import main level. Process for import widget or layout is identical.

Step 1: Open Vis. Structure – Levels/Plans

a) Click to Vis. Structure tab
b) Open Levels / Plans

Step 2: Choose proper place for import and click import

a) Choose proper place for import of graphics – more in table below
b) Click to import and choose relevant graphical part
c) There is possibility to choose if linked objects should be preserved or not

Graphic	Proper place
Level	Import button on left bottom in Levels/Plans
Second level	Import button in Add/Import column next to Level
Plan	Import button in Add/Import column next to Level or Second level
Widget	Import button in Add/Import column next to Widgets
Layout	Import button in Add/Import column next to Layouts

Trouble shooting: If you have red frames around objects in graphics please proceed to next chapter "What actually mean icons in red frames"?
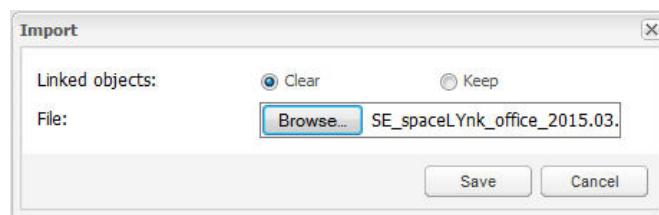
Graphical parts are now imported.

6.3 Red frames around icons

After import you can experience red frames around objects. Red frame means, that objects do not have assigned KNX group address (Or another association). Choose relevant object from the list of objects, for frame to disappear.

Schneider Electric

7 Appendix

7.1 Glossary

The following table describes the acronyms and defines the specific terms used in this document.

Abbreviation	Description
SE	Schneider Electric
SVG	Scalable Vector Graphics (SVG) is an XML-based vector image format for two-dimensional graphics
XML	Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format which is both human-readable and machine-readable
URL	Uniform Resource Locator (URL) is a reference to a resource that specifies the location of the resource on a computer network and a mechanism for retrieving it

Table 2: specific terms

Schneider Electric Industries SAS

Head Office

35, rue Joseph Monier

92506 Rueil-Malmaison Cedex

FRANCE

www.schneider-electric.com

Schneider Electric