eConfigure KNX

LSS900100

User Guide

This document describes the eConfigure KNX software tool for designing, configuring, and maintaining the KNX building automation systems at different project stages (quotation, commissioning, maintenance).

SW version 3.2.x
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Safety Information

Important Information

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this 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 a hazardous situation which, if not avoided, **will result in** death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result** in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.



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CAUTION indicates a hazardous situation which, if not avoided, **could result** in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

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 and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

About the Document

Document Scope

This user guide is designed to provide comprehensive instructions for using eConfigure KNX, primarily focusing on the Lite edition.

However, the features and functionalities described within apply to all versions of the software, including Expert and Expert Student. This ensures that users of the Expert and Expert Student versions can also benefit from the detailed guidance.

The specificities of the Expert and Expert Student editions are addressed in eConfigure KNX Expert, page 12 chapter, allowing all users to follow the guide and apply the information to their respective software effectively.

Validity Note

This user guide is valid for all editions of eConfigure KNX version 3.0.0:

- Lite
- Expert
- Expert Student

While the primary focus is on the Lite edition, the features and functionalities described herein are applicable across all editions.

Product Related Information

- **eConfigure KNX Lite Edition:** The Lite edition is designed for users who need a straightforward and efficient tool for their KNX projects. It includes all the essential features required for basic configuration and management.
- **eConfigure KNX Expert Edition:** The Expert edition offers advanced features and tools for professional users who require more sophisticated functionalities. These include enhanced configuration options, detailed diagnostics, and additional customization capabilities.
- **eConfigure KNX Expert Student Edition:** The Expert Student edition is tailored for educational purposes. It provides students access to the full range of features at a reduced cost, making it ideal for learning and training in KNX technology.

General Cybersecurity Information

In recent years, the growing number of networked machines and production plants has seen a corresponding increase in the potential for cyber threats, such as unauthorized access, data breaches, and operational disruptions. You must, therefore, consider all possible cybersecurity measures to help protect assets and systems against such threats.

To help keep your Schneider Electric products secure and protected, it is in your best interest to implement the cybersecurity best practices as described in the Cybersecurity Best Practices document.

Schneider Electric provides additional information and assistance:

- Subscribe to the Schneider Electric security newsletter.
- Visit the Cybersecurity Support Portal web page to:
  - Find Security Notifications.
  - Report vulnerabilities and incidents.
- Visit the Schneider Electric Cybersecurity and Data Protection Posture web page to:
  - Access the cybersecurity posture.
  - Learn more about cybersecurity in the cybersecurity academy.
  - Explore the cybersecurity services from Schneider Electric.

Product Related Cybersecurity Information

- Use a **VPN service** to encrypt your internet traffic and hide your IP with a physical location.
- Use secure protocol access **HTTPS://IP:Port**.
- Do not use **port forwarding** to access a controller from the public Internet.
- If your router supports a **guest network** or **VLAN**, it is preferable to locate your controller there.
- Set up **network security at the appropriate level**.
  The security method is determined by the ability of other network elements (firewall, protection against viruses and malware threats).
- Make sure your **antivirus** is updated.
- Use the strongest **Wi-Fi encryption** available.
- Turn on the **User Account Control** on Windows.
- Use **BitLocker** to encrypt the Windows operating system drive.
- **Do not share** your Windows account with another user.
- Make sure all your **passwords are uncrackable**.

In case you find cyber security incidents or vulnerabilities, please go to https://www.se.com/ww/en/work/support/cybersecurity/security-notifications.jsp and contact us.

You can read more on system hardening here: https://www.se.com/ww/en/download/document/AN002_107/.

Software from Schneider Electric is digitally signed.

Verify the authenticity of the executable file from Schneider Electric before you run it as follows:

1. Find the downloaded file in File explorer in your local storage.
2. Right-click the file to display its properties.
3. You can find the digital signature details in the **Digital signatures** tab of the **Properties** dialog.

If there is any problem or doubts, do not install the software and contact customer support.

Schneider Electric hereby disclaims any responsibility or liability for potential security vulnerabilities, software defects, or operational inconsistencies that may arise from the use of ETS (Engineering Tool Software) versions provided by KNX Association (knx.org). While eConfigure KNX is designed to interface with ETS for seamless integration and configuration of KNX systems, Schneider Electric neither develops nor maintains ETS software and therefore cannot guarantee its integrity, security, or compatibility across all versions. Users are advised to consult KNX Association for the latest updates, security advisories, and support related to ETS.

Available Languages of the Document

The document is available in these languages:

- English

Related Documents

To find documents online, visit the Schneider Electric download center (www.se.com/ww/en/download/).

Secure Removal and Disposal

Before uninstalling eConfigure KNX:

- **Backup configurations**: Export all project files and configuration data to a secure location.

To uninstall:

- Use the standard Windows uninstallation process: Click **Settings** > **Apps** > **Installed apps** > select eConfigure KNX and eConfigure KNX Catalog > click **Uninstall** and follow the on-screen instructions.

After uninstallation:

- Manually delete the following folders (if they still exist):
  - `C:\Program Files (x86)\Schneider Electric\eConfigure KNX`
  - `C:\Users\<username>\AppData\Roaming\eConfigure`
  - `C:\ProgramData\eConfigure`
- Remove any **shortcuts**, **registry entries**, or **scheduled tasks** related to eConfigure KNX.

If migrating to a new system:

- Export the configuration from the old system: Use the built-in export function to save project files.
- Transfer the files securely using encrypted USB drives or secure file transfer protocols.
- Install eConfigure KNX on the new device, import the configuration files, and verify integrity.
- Delete the original files from the old system.

Information on Non-Inclusive or Insensitive Terminology

As a responsible, inclusive company, Schneider Electric is constantly updating its communications and products that contain non-inclusive or insensitive terminology. However, despite these efforts, our content may still contain terms that are deemed inappropriate by some customers.

eConfigure KNX Lite Software

The eConfigure KNX software is a tool for designing, configuring, and maintaining the KNX building automation systems at different stages of the project:

- Quotation
- Commissioning
- Maintenance

Software Availability

The eConfigure KNX Lite software is free to use. However, if you need to perform commissioning, you must purchase a dongle with a license.

Dongle License Requirements

Do I need a dongle license?

- You do not need to purchase a dongle if you are not commissioning devices.
- A dongle with a license is required to log in and download the software to your devices.
- The dongle is available as LSS900100.
- An initial version of the software is provided on the enclosed USB memory. After installation, an update tool will be available on your desktop.

Important Notes

- eConfigure KNX does not replace professional trade knowledge. For example, basic knowledge of heating applications is recommended for installing heating management devices.
- You do not need to be an expert in ETS to work with eConfigure KNX.

eConfigure KNX Expert

eConfigure KNX Expert software is a plugin in ETS. eConfigure KNX Expert has all the features and appearance of the Lite version.

Compared to eConfigure KNX Lite, there is more to do with eConfigure KNX Expert.

You can:

- Create your own devices.
- Export your project to ETS.
- In **KNX topology** tab, you can work with an unlimited number of areas and lines (max. 4 lines and 1 area in eConfigure KNX Lite).

  NOTE: You can only use the eConfigure KNX Expert plugin with ETS Professional.

Creating User Defined Devices

This function allows you to create models of devices and integrate devices from ETS that are not modelized in eConfigure KNX Expert.

This function is not a complete modeling tool. It allows you to take a snapshot of an existing ETS device configuration, assign the data points to connection codes, and sort them into channels.

Before you want to create a device in eConfigure KNX Expert, do the following in the **ETS**:

1. Open an existing or create a new project.
2. Go to **Devices** > click **Add Devices**.
3. Select your device in the Catalog.
4. Drag and drop your device into **Devices** section of your ETS project.

Switch to eConfigure KNX Expert window on your screen:

1. In the **Floor** tab, go to > **Catalog** > **Create Device**.

   NOTE: At this point, a snapshot of the current settings of your ETS device is taken. Later changes will not be considered. The settings are read-only, and you cannot edit them.

2. Select your device and fill in the rest of the **Generic Device Information** form.
3. In the **Channels** tab, add channels to grid and name them.
4. Switch to **Parameters** tab and configure **Data Points** and **Parameters** for the device.

5. Click **Test configuration** > fill in the floor and location of your device in the floor plan form > click **OK**.

   NOTE: If you click **Test configuration**, a test mode of eConfigure KNX Expert opens and asks you to create a test project. In the test mode, you can test your device without influencing your main project. You can find your device in the catalog of the **Floor** tab. Using the **Back to device edition** button at the top right, you can return to editing your device. Each time you reenter the test mode, new draft of your device is created. Your previous drafts remain available.

6. Once you finish modeling your device click **Commit** > **Yes**.

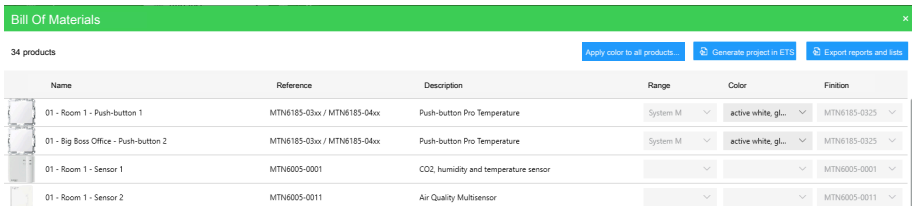
   NOTE: You will not be able to make any changes after committing. If you exit the **User Model Creator** without committing, your progress will be lost.

Your newly created device is available in eConfigure KNX Expert > **Floor** > **Catalog** > **User defined devices**. You can treat the device like any other device of your project.

Generate Project in ETS

You transfer the eConfigure KNX Expert project to ETS as follows:

1. In ETS, create and name your new project to which you want to transfer the data from eConfigure KNX Expert. Open your new project in ETS.
2. In eConfigure KNX Expert, click **Products** at the top right of the screen.
3. In the **Bill of materials**, click **Generate project in ETS**.



The data from eConfigure KNX Expert are transferred to your ETS project.

System Requirements and Installation

Disk space	A minimum of 3.5 GB of free space on your disk is required for eConfigure KNX.
ETS application	eConfigure KNX Lite: The ETS application is included in the installation package. During the installation of eConfigure KNX Lite, the ETS software will automatically install the version tested with eConfigure KNX Lite. If ETS is already installed on your computer, it will be updated to the latest version, and your projects will be retained.
	eConfigure KNX Expert: You need to download and install ETS separately before installing eConfigure KNX Expert from the my.knx.org online shop. **IMPORTANT:** When using ETS 5, do not install eConfigure KNX Lite and eConfigure KNX Expert on the same computer. To use eConfigure KNX Lite, uninstall eConfigure KNX Expert first. This limitation does not apply to ETS 6.
Catalog	eConfigure KNX Lite: You need to download and install the corresponding catalog separately.
	eConfigure KNX Expert: You need to download and install the catalog separately. The catalog is the same for both eConfigure KNX Lite and eConfigure KNX Expert and can be found on www.se.com.
Space Logic KNX Remote	To use **Space Logic KNX Remote**, you need to download Schneider Electric Remote Service and the **Management** application. (SpaceLogic KNX Remote, page 23).

When using eConfigure KNX, the ETS runs in the background of your computer (the ETS tab might appear in the Windows task bar).

eConfigure KNX Lite

Install the eConfigure KNX Lite software as follows:

1. Go to www.se.com > type *eConfigure* in the search bar > select the required eConfigure KNX edition (for ETS 5 or ETS 6) > download it to your local storage.
2. Download the corresponding eConfigure KNX catalog for ETS 5 or ETS 6.
3. Launch the eConfigure KNX installation on your computer and follow the wizard.
4. Install the eConfigure KNX catalog.
5. If you want to do remote maintenance, install **Schneider Electric Remote Service** (refer to SpaceLogic KNX Remote, page 23).

Launch the software after installation and start to use it.

eConfigure KNX Expert

Install the eConfigure KNX Expert software as follows:

1. Go to my.knx.org > purchase eConfigure KNX Expert > download it to your local storage.
2. Launch the ETS software on your computer.
3. ETS 6: Go to **Settings** click **Install app** > select the installation file from your local storage > click **Open**.

   NOTE: In ETS 5, click **Apps** on the right side of the bottom bar > click the plus sign to select the installer file from your local storage.
4. Go to www.se.com and download the corresponding eConfigure KNX catalog for ETS 5 or ETS 6. The catalog is the same for eConfigure KNX Lite and eConfigure KNX Expert.
5. Install the eConfigure KNX catalog.
6. After the installation is complete, open the ETS software again, open an existing project or create a new one.

7. ETS 6: In your project, go to **Panels** > **All panels** > **Schneider Electric** > click eConfigure KNX Expert to launch it.

   NOTE: In ETS 5, click **Apps** > click eConfigure KNX Expert.

8. If you want to use **Space Logic KNX Remote**, install **Schneider Electric Remote Service** (refer to SpaceLogic KNX Remote, page 23).

eConfigure KNX Expert will launch as a new window in ETS and you can start to use it.

Software Limitations

The eConfigure KNX software allows for the fast and easy implementation of KNX/ZigBee devices, but it has some limitations compared to the ETS software:

- **Limited Parameters:**
  The parameters available in eConfigure KNX are fewer than those in ETS.
- **Functionality:**
  Not all KNX functionalities are available in eConfigure KNX.
- **Project Requirements:**
  Ensure that all the features needed for your project are available in eConfigure KNX.
- **Device Compatibility:**
  You can find the list of compatible KNX/ZigBee devices within eConfigure KNX.
- **Project Size:**
  eConfigure KNX is limited to projects with a maximum of 1000 KNX devices and 50 ZigBee devices.
- **Minimum Screen Resolution and Scaling Requirements:**
  To ensure optimal performance and usability, eConfigure KNX requires a minimum screen resolution of **1366 x 768 pixels** when using a **100% display scaling** setting. For the best user experience, we recommend a resolution of **1920 x 1080 pixels**, with a display scaling between **100% and 150%**. Using resolutions or scaling settings below the minimum may result in interface elements not displaying correctly or reduced functionality.
- **Operating System Support**: Only 64-bit (x64) versions of Windows are supported for ETS5 and ETS6.
  Supported operating systems:
  - Microsoft Windows 10 x64
  - Microsoft Windows 11 x64

    IMPORTANT: eConfigure KNX Lite cannot be installed on 32-bit versions of Windows 10.

Implementation

Best Practice for Your Project

eConfigure KNX is a powerful tool for designing, configuring, and maintaining home and building automation systems. To ensure a smooth and efficient project lifecycle, follow these best practices:

1. Plan Ahead

- Define the project scope and gather all necessary documentation.
- Understand the client's requirements and expectations.
- Prepare a detailed floor plan with designated zones and device locations.

2. Design the System

- Use eConfigure KNX to design the building layout.
- Add loads and devices to the floor plan.
- Link devices logically to reflect the intended automation behavior.

3. Quote the Installation

- Generate a comprehensive commercial proposal using eConfigure KNX.
- Include all devices, materials, and estimated labor costs.
- Share the proposal with the customer or engineering office for approval.

4. Configure and Validate

- Configure the system according to the approved design.
- Validate the setup with the client to ensure it meets functional and aesthetic expectations.
- Perform initial testing to confirm device communication and logic.

5. Prepare for On-Site Work

- Pre-configure as much as possible before arriving on-site.
- Ensure all devices are labeled and documented.
- Bring backups of the project file and firmware updates if needed.

6. Maintain and Support

- Provide on-site support for 1–2 months post-installation to:
  - Gather user feedback.
  - Fine-tune the system.
  - Minimize return visits.

7. Enable Remote Maintenance

- Set up secure remote access for ongoing support and diagnostics.
- Use remote tools to monitor system performance, apply updates, and resolve issues quickly.
- This reduces travel time and improves customer satisfaction.

TIP: Document every step of the project for future reference and easier handover to maintenance teams or other integrators.

Wiring

Proper wiring of your installation is essential.

If you have any doubts, get training on KNX installation or ask our experts.

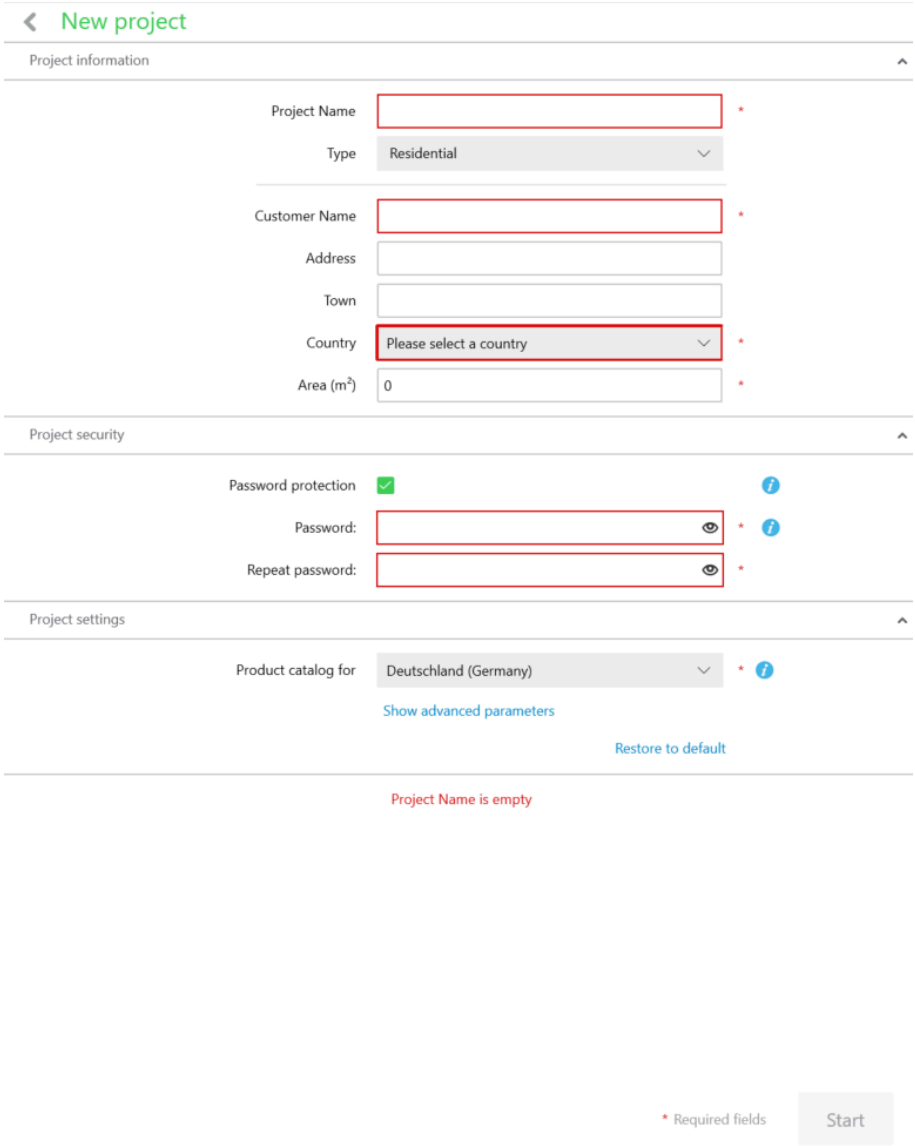
- Use a KNX certified cable.
- Do not loop the KNX cable on itself.
- Always install repeaters for any facility with more than 64 devices or a consumption above 1280 mA.
- Do not forget the KNX power supply.
- If you want to use wireless devices, install the Hybrid module (see more at https://www.productinfo.schneider-electric.com/spacelogic_knx_hybrid/).

Projects

The user parameters and project management sections are accessible by clicking on the **Menu** button ☰ at the top left of the screen.

To create a new project:

1. Click ☰ > **Projects** > **New project** at the bottom right.
2. Fill in the minimum required information (red fields) for your project and click **Start**.



To open, edit, duplicate, delete, and export your projects:

1. Click ☰ > choose your project.
2. Click Menu in the upper right corner of your project > choose your option.

You can search between projects using the search bar at the top center.

To export all your projects:

- Click **Export all**.

Your projects are saved in the folder *Documents\Schneider Electric\eConfigure \Backup Files*.

To import your projects:

- Click **Import** > select your project (.zip file) > click **Open**.

My User Settings

User settings are default for all new projects. You can customize them:

1. Click on the **Menu** button ☰ at the top left of the screen > click **My user settings**.
2. Fill in the information:
   - **Basic parameters**
     - Company name
     - Application language
     - Product catalog for a country (allows you to display only the devices available in your country)

       NOTE: Select the correct catalog carefully, because you cannot change it later in the project.
   - **Advanced parameters**
     - **Free spaces (%)** – choose the available free space when using automatic composition.
     - **Group address rules**: If you select **Structured scheme** the directives of knx.org Switzerland are applied.
     - **Enable advanced device parameters**: This feature allows displaying advanced device parameters if they are available for the device.
     - **Allow usage data collection**: It is recommended to allow this feature. It helps us improve the software.
     - **Restore user preferences:** This feature allows you to restore the user preferences to default values.

       Export logs: This button allows you to generate a file containing projects and detailed logs of the software's activities and events. This file can be useful for troubleshooting, analyzing system performance, or providing information to technical support.

Help

If you need help on how to start with eConfigure KNX, click on the **Menu** button ☰ at the top left of the screen > click **Help** and choose from the following options:

- Documentation: An online and offline version of the user guide is available.
- Online contents (overview, tutorials, FAQ).

We recommend official training to use the software under the best conditions.

Ask your local Schneider Electric contacts for more details.

SpaceLogic KNX Remote

SpaceLogic KNX Remote is a subscription-based feature designed for **system integrators** and **smart electricians**. It works seamlessly with:

- ETS (version 5 or 6) as an ETS App
- **eConfigure KNX** (Lite, Expert, and Expert Student, version 3.0 or higher)

Key Features

With **SpaceLogic KNX Remote**, you can:

- **Configure KNX installations remotely** Securely access and configure your customers' ETS (.knxproj) or eConfigure KNX projects from anywhere.
- **Access and configure controllers remotely** Gain secure, remote access to your customers' **Wiser for KNX** or **spaceLYnk** controllers for configuration and updates.

More Information

For detailed setup instructions, refer to the official user manual: https://www.productinfo.schneider-electric.com/spacelogicknxremote/

Video Tutorials

For additional guidance, watch our official video tutorials:

- **SpaceLogic KNX Remote** for ETS users https://www.youtube.com/playlist?list=PLa7UGrWOTyjmGRoWyL9f0xUF70e3ZLwM7
- **SpaceLogic KNX Remote** for eConfigure users https://www.youtube.com/playlist?list=PLa7UGrWOTyjk0l5rkzg9r3c-27E3elMcY

Floor

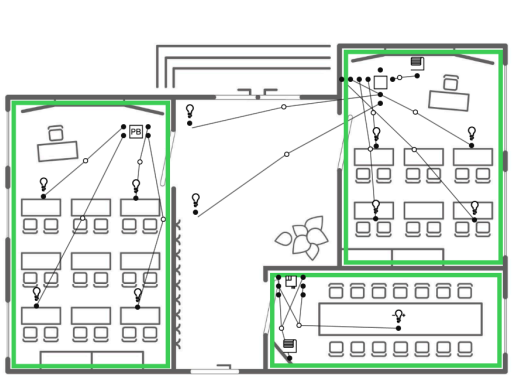
In the **FLOOR** tab, you can create a floor plan with rooms, add devices from the catalog and set their parameters.

You can also create and control scenes.

NOTE: The **Undo** function is not supported. Keep this in mind as you create your floor.

In the **FLOOR** tab, there are the following tools and areas:

- The work area with a floor plan:



- Toolbar:
  - Add floor
  - Select the room layout
  - Copy
  - Paste
  - Delete
  - Multiple selection
    (Click the icon > hold the left mouse button while moving over the floor plan and mark with a rectangle all the devices that you want to select.)
  - Search...
  - Filter
  - View options
  - Help

- **CATALOG** (Loads, Devices, Virtual Devices, Solutions)
- **SCENES** module (Create/Control scenes)
- **PARAMETERS** (select a device, load, or virtual devices and change their parameters)

Creating Floors and Rooms

Getting Started

Begin by selecting the **FLOOR** tab. You can create up to **10 floors** in eConfigure KNX Lite/Expert/Student.

Adding a Background Image

You can insert an image as the background of your floor plan to facilitate graphic work in your project design. Acceptable formats include:

- JPEG
- BMP
- PNG
- JPG

Steps to Create Floors and Rooms

1. Add a Floor
   - In the **FLOOR** tab, click **Add floor**.
   - Fill in the **New floor** form and click **Browse** to upload the background image.
2. Draw Rooms
   - On your floor plan, draw rooms on each floor:
     - Click one of the two room creation tools according to the shape of your room:  .
     - Draw the outline of your room (rectangle or polygon).
     - Name your rooms: Room names are given by default. To rename them, click the pencil next to the default room name, type the new name, and press **Enter** on your keyboard.
3. Add Devices and Loads
   - Drag and drop devices and loads into the plan and adjust the parameters for each item if necessary.
4. Link Devices and Loads
   - Link devices with loads or other devices. You can also connect devices and loads between floors. For more information, refer to Channels and Links, page 34.

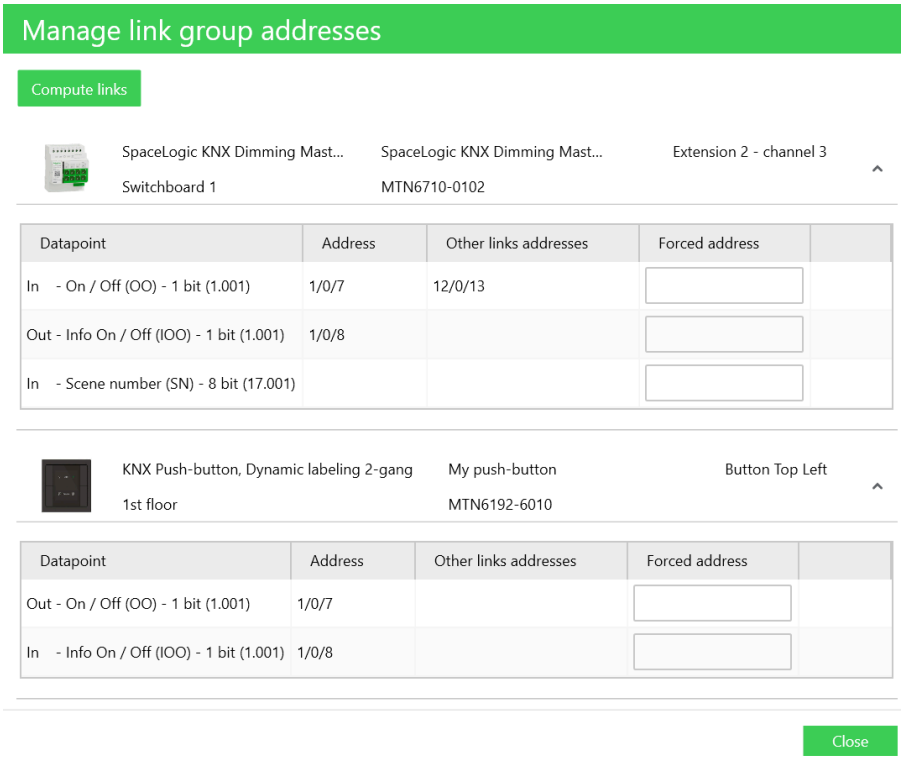
Manage and Edit Group Addresses

You can manage and edit group addresses in your project.

Manage group addresses as follows:

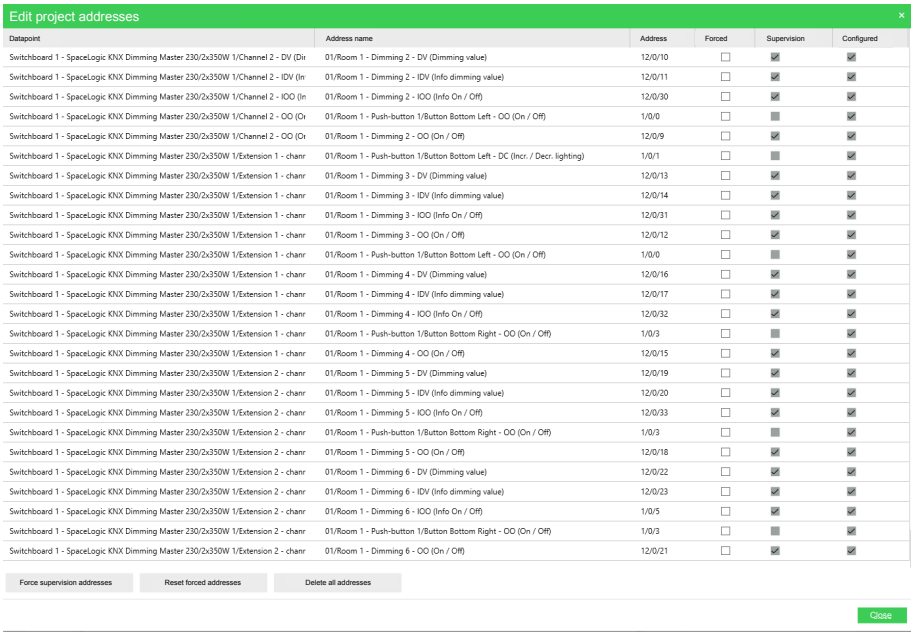
1. Select the right floor and your device.
2. Click the device connection line.
3. On the right side of the screen, click **Manage group addresses**.
4. In the **Manage link group addresses**, click the **Compute links**. This feature analyses the datapoints in the link and generates the appropriate group addresses for each datapoint.

5. If you want to change the group address (define your own) of your device, type the new address into **Forced address** column click **Close**.



Edit project addresses as follows:

1. On the right side of the **Floor** tab, click **Edit project addresses**.
2. A list of all group addresses of your project opens where you can:
   - **Force supervision addresses** (The **supervision address** is an address that is used to control the device directly from the Touch application. The controller itself assigns the **supervision address** to individual devices.)
   - **Reset forced addresses** (remove forced addresses).
   - **Delete all addresses**



Shortcuts

While managing your project, you can use the following shortcuts:

Shortcut	Command
CTRL + C	Copy. Select the device with the mouse, copy it by pressing CTRL + C. Then you can paste it somewhere else using CTRL + V.
CTRL + V	Paste. The paste of an item is not immediate; it is necessary to position the item on the plan and click to validate the paste.
CTRL + A	Select all items on the floor or all text of a selected area.
CTRL + R	Draw the contours of a rectangular room.
CTRL + P	Draw the outline of a polygon room (max. 15 faces).
CTRL + S	Multiple selection modes.
ESC	Return to classic mode (from any mode).
CTRL + mouse wheel	Zoom in/out.
CTRL + N	Create solution Click on the item on your floor plan, press CTRL + N, and fill in the parameters of the new solution.

Hide, Show, Filter, Zoom

In this mode, it is possible to select either a device or a load and view links related only to this item. This comes in handy when you are checking the installation.

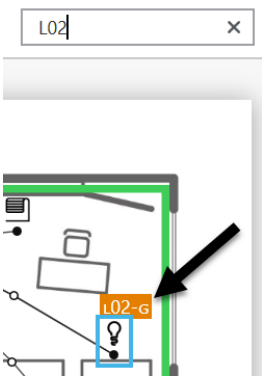
Click and filter your links. Tick the function category of links you want to display:

- Lighting
- Blind
- HVAC
- Socket
- Other

You can zoom in and out of your map in two ways:

- Use CTRL + the mouse wheel.
- Click > adjust the zoom (or image and link opacity)

You can search for objects in your plan by name. Type the search term in the search box.



Catalog

When creating a new project, select the correct catalog carefully, as you cannot change it later in an existing project.

Name your loads/devices because they appear in different places in the software and in the documentation.

Loads

Loads are all the non-communicating elements of the installation.

Each load is connected to an actuator of the **Switchboard** tab.

Loads are not compatible with all actuators. It is important to choose the right loads in the **Floor** tab.

In the automatic composition of actuators, each load is linked to a specific family of actuators and has its icon.

When you hover the cursor over the load icon, the parameters of the load appear.

Drop and drag loads directly into your floor plan and name them.

There are the following types of loads available:

	Lighting area 10 A	Compatible with: MTN6492xx (used in automatic composition < 2 ch) MTN6705-0008 (used in automatic composition > 2 ch)
	Switch area 16 A	Compatible with: MTN647x93 (used in automatic composition)
	Dimming area	Compatible with: 350 W: MTN6710-0102 (used in automatic composition), MTN649350, MTN649310 500 W: MTN649350 (used in automatic composition), MTN649310 1000 W: MTN649310 (used in automatic composition)
	Group of ballasts 1 - 10 V	Compatible with: MTN64xx91 (used in automatic composition)
	Group of ballasts RGB DALI	Compatible with: MTN6725-0101 SpaceLogic KNX Dali Gateway Pro (used in automatic composition)
	Group of ballasts DALI (FW 1.x.x)	Compatible with: MTN6725-0001 (used in automatic composition)
	Group of sockets	Compatible with: MTN647x93 (used in automatic composition)
	Shutter/Blinds Parameter 230 V	Compatible with: 350 W: MTN6710-0102 230 Vca: MTN6498xx (used in automatic composition) 24 Vcc: MTN6497xx (used in automatic composition) 230 Vca: MTN6705-0008 (used in automatic composition > 2 ch)
	Floor heating area	Compatible with: MTN6730-0002 (used in automatic composition)

	Fan coil controller	Compatible with: MTN645094 (used in automatic composition)
	Binary input	Compatible with: MTN644492 / MTN644592 (used in automatic composition) MTN644892 / MTN644792 (used in automatic composition) MTN644992 / MTN644692 (used in automatic composition)

NOTE:

If you want to remove a device/load already added to a **Moment**, remove the device/load group addresses from your **Moment**.

Find out more in chapter 18 **Scenes**, of your controller user guide here: https://www.se.com/eg/en/product/LSS100200/spacelynk-logic-controller/ or https://www.se.com/eg/en/product/LSS100100/wiser-for-knx-logic-controller/

Devices

The term *devices* means all the communicating devices that can be installed in the rooms:

- KNX
- Wireless

The devices are represented by icons. When you hover the cursor over the device icon, the parameters of the device appear.

You can use filters to display a selection of devices. Filtering categories and ranges (for push buttons) is possible.

You can drag and drop devices directly to your floor plan.

There are the following types of devices available:

	Push buttons	Push buttons control the installation. They are available with 2, 4, 6, and 8 keys. Some devices have an IR function to allow the remote-control infrared commands.
	Push button interfaces	Push button interfaces control the installation. They are installed in the installation box behind all kinds of conventional push buttons. They can have 2 or 4 inputs.
	Push button Pro T	Push button Pro controls the installation. You can set the number of keys (1, 2, 3 or 4). It allows an adaptation on site without changing the reference.
	Thermostat	Thermostats allow heating area management and/or a cooling zone setting. Some thermostats have buttons, whose functions are the same as the push buttons.
	Multitouch	The multitouch controls the installation (lighting, shutters, ...) as well as heating and cooling. It has a built-in touchscreen.
	Presence/Movement detectors	You can set monitoring of presence or movement with the presence/ movement detectors. Some of them allow the lighting regulation.
	Various sensors	CO_2, humidity, temperature – indoor or outdoor (weather station). It is possible to back up the information in real time and to automate specific functions of the building.
	Valve drive	The valve drive controls the valves of the water heating system.
	Actuators embedded	Built-in actuators manage loads closing. They are used in projects where the electric cables do not allow installation of KNX components.

NOTE:

If you want to remove a device/load already added to a **Moment**, remove the device/load group addresses from your **Moment**.

Find out more in chapter 18 **Scenes**, of your controller user guide here: https://www.se.com/eg/en/product/LSS100200/spacelynk-logic-controller/ or https://www.se.com/eg/en/product/LSS100100/wiser-for-knx-logic-controller/

Virtual Devices

Virtual devices are functions that do not represent physical devices or loads. You can drop and drag them into your project.

When you use **Schedulers** or **Central commands**, the software automatically adds a controller to your installation. This can be either the Wiser for KNX or spaceLYnk logic controllers.

Schedulers

All schedulers created in the eConfigure KNX software are automatically available in the controller user interface.

Follow these steps to create and configure a scheduler:

1. Create a scheduler:
   - Open eConfigure KNX.
   - Click **Catalog**, drag **Scheduler**, and drop it onto your floor plan.
   - Click the **Scheduler** icon and set up the parameters in the **Parameters** tab on the right.
2. Return to unconfigured devices:
   - After adding the scheduler, your configured controller will return to the list of unconfigured devices on the left side of the **Upload** tab.
3. Configure the controller:
   - Navigate to the **Upload** tab.
   - Configure your controller (see Controller Commissioning, page 49).
   - Once configured, your controller will appear on the right side in the list of configured devices within the **Upload** tab.
4. Log in to the controller:
   - Access your controller via a web browser.
   - Click on **Configurator**.
   - Select **Schedulers**.
   - Choose your newly created scheduler from the list.
5. Create scheduler event:
   - Follow the instructions in the controller user guide to create scheduler event. You can find the guide here.

Central Command

The **Central command** in eConfigure KNX is designed to streamline the management of various functions and settings within your project. It serves several key purposes:

1. **Automation**: **Central command** allows you to automate tasks and processes, making it easier to manage multiple devices and functions without manual intervention.

2. **Integration**: It integrates with other components of your system, such as schedulers and controllers, ensuring that all parts of your installation work seamlessly together.

To set up **Central command** in your eConfigure KNX project, follow these steps:

1. Create **Central command**:
   - Launch the eConfigure KNX software on your device.
   - Click **Catalog**, drag **Central command**, and drop it onto your floor plan.
2. Define parameters:
   - Set the parameters for your command, such as triggers (e.g., occupancy sensors, time schedules) and actions (e.g., turning on lights, adjusting temperature).
3. Integrate with devices:
   - Ensure that your command is linked to the appropriate devices or systems (like lighting, HVAC, or security systems) within your project.
4. Test the command:
   - After setting everything up, test the command to ensure it works as intended. Make adjustments if necessary.

Solutions

The solution is a set of devices and loads with predefined parameters to perform specific functions.

By default, the solution folder is empty. Once you create a solution, you can use it in all your projects (Import solution from your local storage).

There are 2 types of solutions:

- Created by Schneider Electric (Available on the online forum of Schneider Electric. Go to the **Help** section of the software and get the direct link.)
- Solutions created by the user as follows:
  1. Open the floor plan > click the **Solutions** tab > mark the devices/loads you want to include in your solution hold the **Shift** key and mark the devices/loads one by one with the left mouse button.
  2. Click **Create Solution** (CTRL + N).
  3. Fill out the **Create solution** form: Name, category, thumbnail, and icon.
  4. Click **OK**.

Your new solution appears in the **Solutions** list on the left:

- You can drop and drag solutions into your plan.
- If you click , you can edit, delete, and export your solutions.
- Save the exported solutions on your computer (*.Sls file).
- Import solutions from your computer.

Scenes

The scenes are combinations of actions triggered by a single command. You can create your scene from scratch or use scene templates. You can easily edit and delete your scenes in the **Scene** tab.

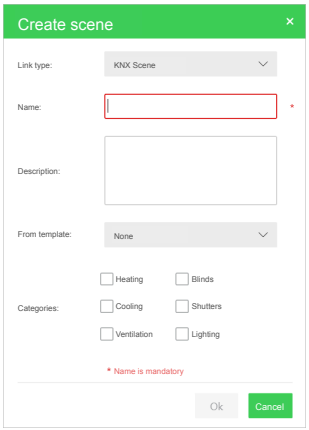
When creating a scene, you can only select the channels connected and compatible with the scenes.

NOTE: You cannot include DALI lights in scenes. DALI lights are therefore unavailable for selection when you create or edit a scene.

Creating Scenes without Using Templates

You can create custom scenes without using templates.

1. Click **New scene** down on the left.



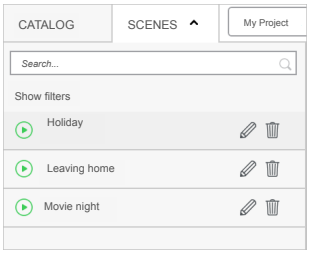
2. Select your **Link type**.

   KNX scene: The KNX scenes are activated, a sensor device (e.g., a push button) sends a scene number. The actuator activates an output action stored at this scene number.

   NOTE: Wireless devices do not support KNX scenes.

   Central linking: The sensor (e.g., a push button) sends a value directly to one or many actuators (e.g., 95% for dimming).
3. Fill in the scene name and your description (optional).
4. Select **None** in the **From template** menu.
5. Include devices and loads of your project in the scene.
6. Click **OK**.

Your new custom scene appears in the list of scenes on the left.



In the next step, assign loads to your scene:

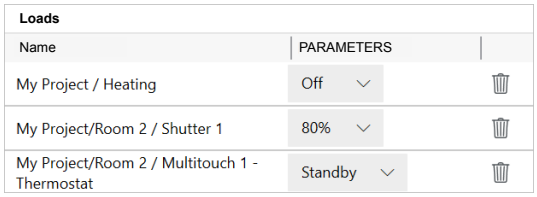
1. Click your scene on the left select loads you want to add to your scene by clicking the connection point on the floor plan.
2. Select your floor.

3. On your project map, select the loads you want to include in your scene - click the black dot next to your load.



After the black dot turns orange, your load becomes part of the scene.

4. Go to the **Parameters** section on the top right and configure each load according to the function assigned to it:



   - Management of lighting intensity, rather than switching on/off
   - Opening/closing of roller shutters or specific level
   - You can enter thermoregulation (heating and cooling) by selecting the thermostat channel of the control devices (e.g., Multitouch Pro).

5. The last step to complete the scene function is choosing the control device from which you activate the scene. To do this, select at least one (free) channel of the control device (e.g., Multitouch Pro, Pro Button, contact interfaces, push-buttons).

Maximum number of scenes per items:

- Lighting and dimming – 5
- Switch and socket loads – 5
- Thermostats (except Multitouch) – 8
- Multitouch – 4

NOTE: Some thermostats are not possible to be integrated into scenes (Altira, Unica).

Creating Scenes from Templates

eConfigure KNX offers 10 scene templates that you can further customize.

Click **New scene** > fill in the scene name and its description > select your template from the following options:

Name	Function
Leave the building	• Close blinds • Turn off lights
Enter the building	• Open blinds
Light off building	• Turn off lights
Light on building	• Turn on lights In the case of adjustable lights, bring the intensity to 100%.
Light off floor	• Turn off lights
Light on floor	• Turn on lights In the case of adjustable lights, bring the intensity to 100%.

Name	Function
Blind down building	• Close blinds
Blind up building	• Open blinds
Blind down floor	• Close blinds
Blind up floor	• Open blinds

As an alternative, you can create group commands involving DALI lights. Connect the DALI lights to a channel of a control device, for example, a push-button, and use the **Set value** function to set a value between 0% and 100%. When the corresponding button is pressed, all lights connected to the channel turn on at the set intensity.

Channels and Links

Each device visible on your plan has black points called channels. You can set parameters of the channels to adjust behavior of your device.

You connect the devices or loads through their channels.

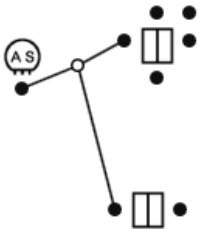
If connection is not possible, the channels are not compatible (there are no group objects in common).

You create the connection lines as follows:

1. Click the connection point of your load/device > hold the left mouse button > mark the other end of the connection line. The connection point turns blue if the connection is possible. It means there is at least one group object in common.

   NOTE: If you right-click on a connection point, you will see a list of available data points.

2. In the **Link creation** dialogue, select a preset among the compatible presets > click **OK**. For example, switching on/off, dimming brighter/darker, moving blind up/down.



Use multi-floor symbol in the upper left corner to **link loads and devices across floors**.

You have to have at least two floors created to use this feature.

Follow these steps:

1. Click the connection point of the device you want to connect with the left mouse button.
2. Hold the button and drag it over the multifloor icon  in the top left corner.
3. Release the mouse button over the multifloor icon. A dialog box will appear where you can select the floor you want to access.
4. Select the desired floor and click **OK**.

5. On the selected floor, drag the mouse over the connection point of the device you want to connect. If the connection is available, the connection point will turn blue, and a pop-up will display the device's name and functions.
6. Click the connection point with the left mouse button.
7. A **Link Creation** dialog window will appear. Select a preset from the compatible options to create the link (e.g., Switching On/Off, Dimming brighter/darker). You can skip this step by clicking **Skip** or confirm by clicking **OK**.
8. Once the devices are connected, a black multifloor icon will appear in the upper left corner of your floor plan. Click it to manage and edit group addresses on the right side of the screen (see more in Manage and Edit Group Addresses, page 25).

   NOTE: The ZigBee dimmer cannot be turned on or off using the Touch application.

Parameters

In the **FLOOR** tab, besides the catalog and scene module, there is also a **PARAMETERS** section. This section is used for setting up individual devices/loads.

Not all parameters of the devices are available in eConfigure KNX Lite. Make sure the functionalities you want are integrated into the software. Some typical examples are described further.

Follow the tutorials available on Exchange Community (https://community.se.com/) for more details.

Setting Parameters

To set parameters, select an item on the floor plan:



Adjust the behavior of the respective device/load in the **PARAMETERS** tab on the right.

Types of parameters:

- **Basic parameters**: For example, simple lighting loads.
- **Advanced parameters**: Such as push-buttons with display.

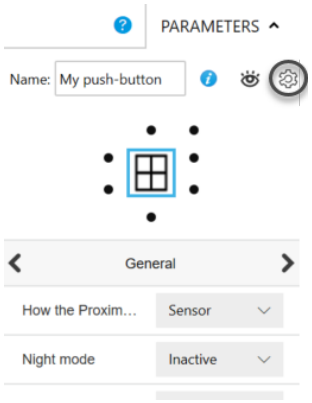
Enabling Advanced Parameters

Advanced parameters do not display automatically. You need to enable their visibility in the main menu:

- Click at the top left of the screen > **My user settings** > **Enable advanced device parameters**.

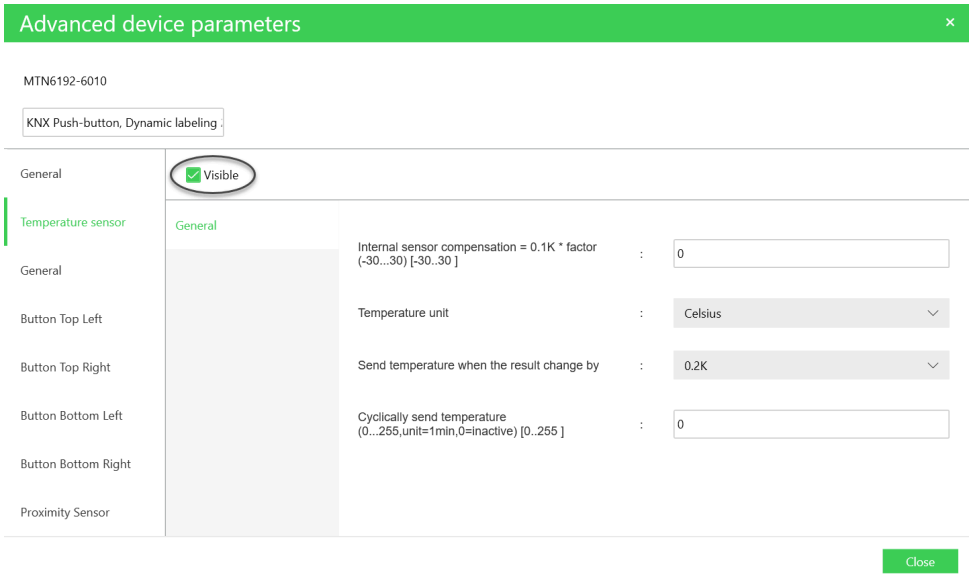
Adjusting Advanced Parameters

If advanced parameters are available for a device, you can further adjust them by clicking next to the device name:



Not all parameters of the devices are visible by default:

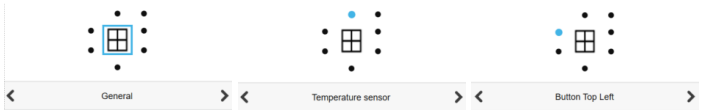
- Go to the **Parameters** tab of your device > click ⚙ (**Advanced device parameters**) in the upper right > choose which parameters will be available for the device (check the **Visible** checkbox for each parameter).



Representation of Advanced Parameters

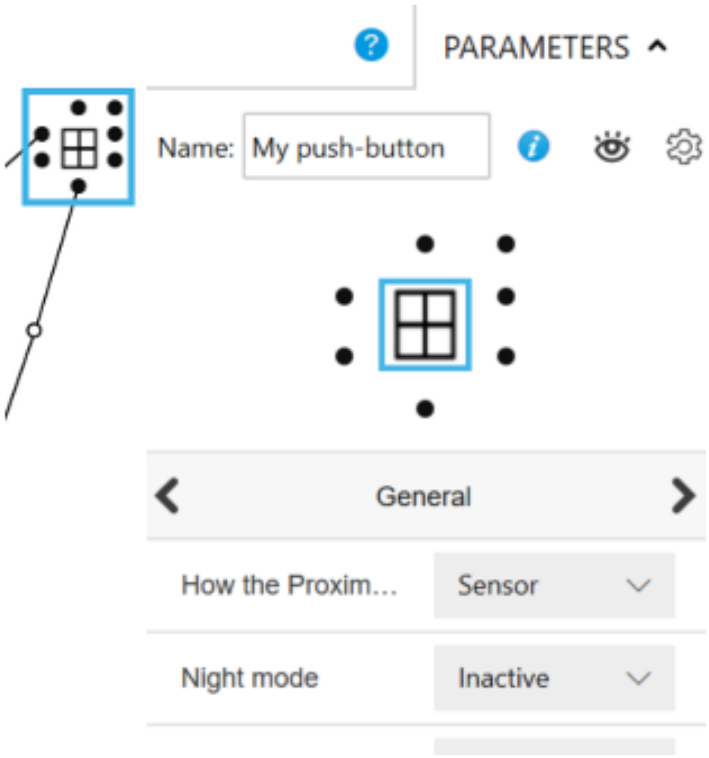
Each advanced parameter is represented by a channel shown as a dot next to the device icon.

In the **PARAMETERS** section, you can navigate through specific advanced parameters using the arrows below the device name and icon.



To work with an advanced parameter, it must be marked as "visible" in the **Advanced device parameters** dialog.

This device has 7 channels (= 7advanced parameters “visible”):



Example 1: Lighting and Blind Control



Button	Setting
1	Moving the blind up
2	Switching On
3	Moving the blind down
4	Switching Off

Example 2: Heating Control (Valves)

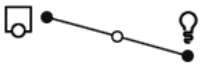


Thermostat settings

Heating control: PI continuous control (valves)

You can change several parameters, but the thermostat is ready to control heating without further changes.

Example 3: Movement Detection (External)



In this example, the settings of the detector are directly set. The user changes the timer, sensitivity, and range right on the device.

You can change several parameters, but the detector is ready to control lighting without further changes.

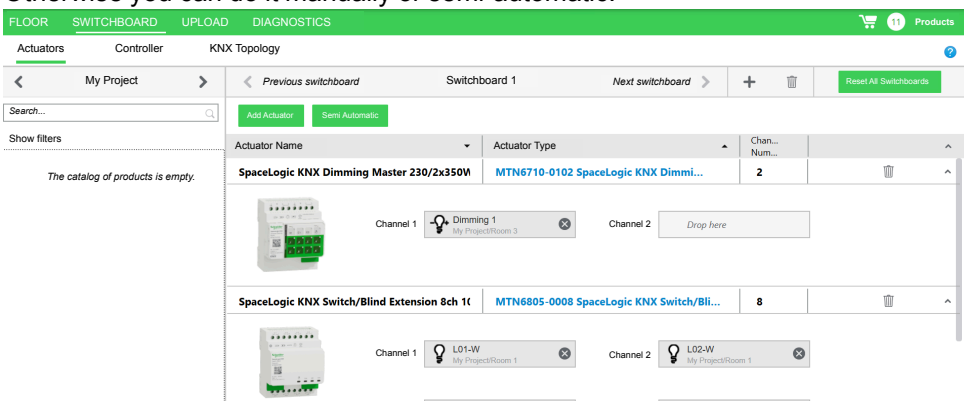
Switchboard

The **SWITCHBOARD** tab is divided into three main areas:

- **Actuators**: When the floor plan design is finished, the next step is to assign your loads to actuators. If only one switchboard per floor is required or one for the whole building, this can be done automatically. Otherwise you can do it manually or semi-automatic.
- **Controller**: Adding a controller will allow you to access user interface, trends, schedules, Modbus and wireless devices.
- **KNX Topology**: This tab displays devices divided by location.

Actuators

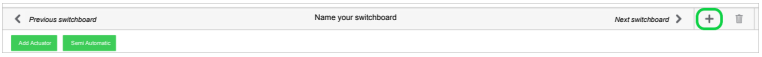
When the floor plan design is finished, the next step is to assign your loads to actuators. This you do on tab **SWITCHBOARD**. If only one switchboard per floor is required or one for the whole building, this can be done automatically. Otherwise you can do it manually or semi-automatic.



You integrate actuators as follows:

- **Automatically**:
  1. Click **SWITCHBOARD** tab in the upper left of the screen to create a new **switchboard**.
  2. Select **Automatic** configuration of the actuators.
  3. Click **Start**.

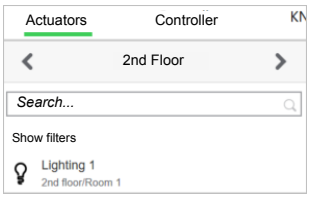
     The software selects the required actuators for all your loads according to built-in rules and assign the loads to channels. You can adjust it later (Add/delete actuators).
  4. Or select **Semi Automatic** > drag and drop the loads you want to connect into actuators on your **switchboard** > click **OK**.
  5. You can add more switchboards later by clicking **+** in the upper right corner of the screen.



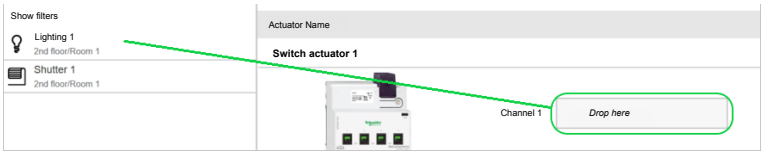
- **Manually**:
  1. Click **SWITCHBOARD** tab in the upper left of the screen to create a new **switchboard**.
  2. Select **Manual** > type the number of electrical panels in your building > click **Start**.
  3. You can add more switchboards by clicking **+** in the upper right corner of the screen.



  4. Click **Add Actuator** > select your actuator from the list. The actuator appears on your **switchboard**.
  5. Select the floor where are the loads you want to connect.



  6. Connect (drag and drop) your loads from the left to the actuator channels.



All of the actuators have a direct link to their product information page in the **Actuator Type** column.

- You can switch between **switchboards** with the left and right arrows: 
- Clicking  allows you to edit parameters of your actuator.
- If you want to delete your **switchboard**, select the one you want to delete > click  at the top right > click **OK**.
- Clicking **Reset all switchboards** will delete your switchboards. You have to configure them again.
- You can rename the **switchboard** by clicking on the green text "Switchboard" at the top center, typing the new name, and pressing the tab key on your keyboard.

eConfigure KNX supports the Master/Extension concept, available in the new SpaceLogic actuators from Schneider Electric.

The master actuator can either operate independently or can also control one or up to two extensions, depending on the number of channels needed for each of its functions.

The available devices are:

- SpaceLogic Switch/Blind Master (MTN6705-0008)
- SpaceLogic Switch/Blind Extension (MTN6805-0008)
- SpaceLogic Universal Dimming Master (MTN6710-0102)
- SpaceLogic Universal Dimming Extension (MTN6810-0102)

Compatibility:

- The SpaceLogic Switch/Blind Master can only control Switch/Blind extensions
- The SpaceLogic Universal Dimming Master can either control Switch/Blind extensions or Dimming extensions

When automatically calculating the **Switchboard**, eConfigure KNX proposes the best combination depending on the project needs.

SpaceLogic master and extension devices can also be added manually or semi-automatically.

When using Master/Extensions concept, eConfigure KNX arranges the extensions to their corresponding master and names them accordingly.

Examples:

- SpaceLogic KNX Dimming Master 230/2x350W
- SpaceLogic KNX Dimming Extension 1-1
- SpaceLogic KNX Dimming Extension 1-2

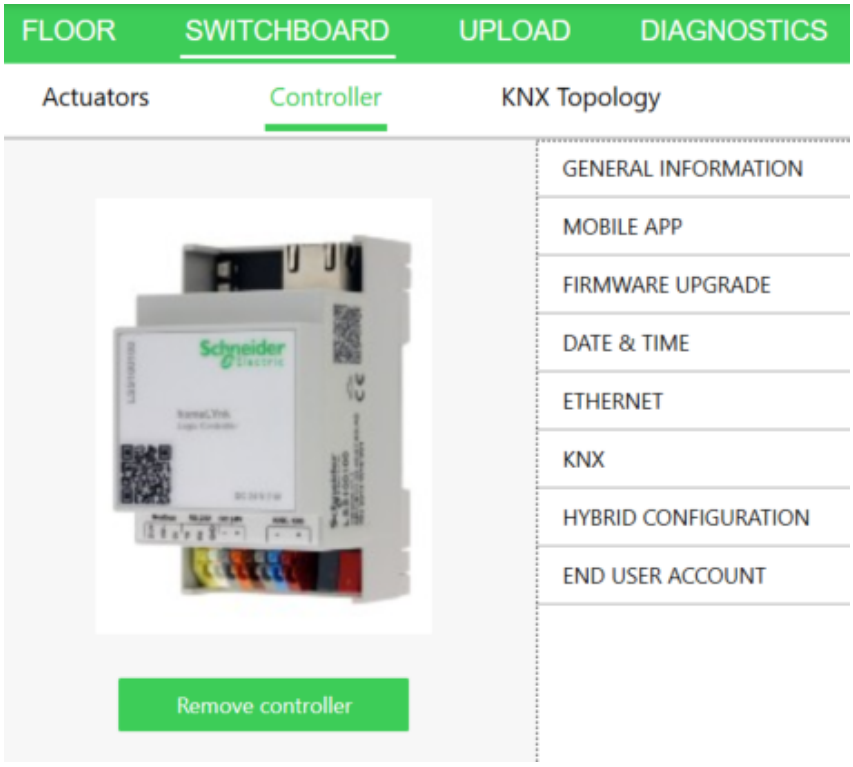
Adding a Controller to Your Installation

The controllers can add several functionalities to your installation and the users:

- Visualization
- Schedulers
- Modbus, wireless devices integration
- Energy monitoring
- Trends
- Advanced logic

With the controller, you configure devices and generate a graphical interface for users to control the installation from their smartphone or tablet.

For Wiser for KNX there is the Wiser KNX app available on Google Play and Apple Store (Mobile App, page 43).



To add a controller, do the following:

1. Go to **SWITCHBOARD** > **Controller** > **Add a controller**.
2. In the **SWITCHBOARD** > **Controller** tab, you can then set the detailed parameters of your controller in the following sections:
   - **GENERAL INFORMATION**
   - **MOBILE APP**
   - **FIRMWARE UPGRADE**
   - **DATE & TIME**
   - **ETHERNET**
   - **KNX**
   - **HYBRID CONFIGURATION**
   - **END USER ACCOUNT**

The GUI configuration is automatic.

You can make changes directly in the configuration of the controller interface.

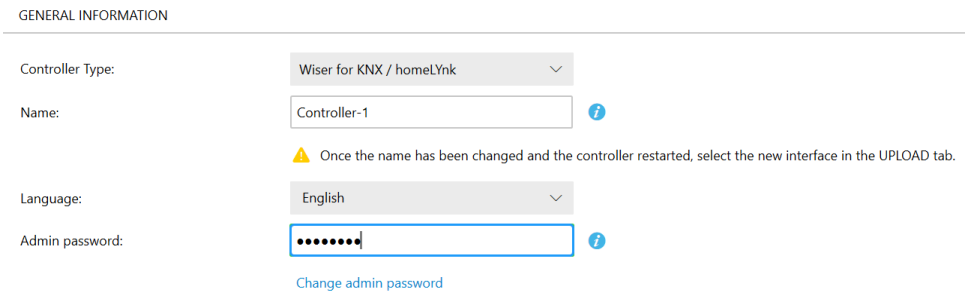
Reprogramming with eConfigure KNX Lite may result in the loss of information if you select **Replace** in the **UPLOAD** tab > **Select controller access** > **Configuration**.

It is recommended to save a copy of your complete project and your visualization in the controller. Information on how to do it is available in the product guide of the Wiser for KNX and spaceLYnk controllers.

Follow the user guides on how to configure and use Wiser for KNX and spaceLYnk controllers or look for the online tutorials at https://community.se.com/.

General Information

In the **GENERAL INFORMATION** section, select/fill in the following information about your controller:



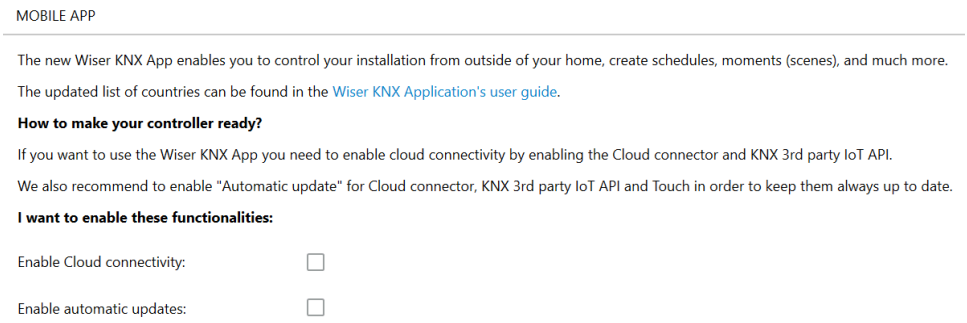
- **Controller Type**
- **Name**: Name your controller. Once the name has been changed and the controller restarted, select the new interface in the **UPLOAD** tab.
- **Language**: Set the language of your controler´s user interface.
- **Admin password**: A password change is required if it does not meet the security requirements.

  Password complexity requirements:
  - The length between 8 – 32 characters
  - At least one uppercase letter
  - At least one lowercase letter
  - At least one digit (0 – 9)
  - European languages letters (A – Z with diacritics, sharp S, Greek and Cyrillic characters)

  The admin password will be changed on the controller during the next upload.

Mobile App

eConfigure KNX helps you to prepare your Wiser for KNX controller for the Wiser KNX mobile app. The Wiser KNX app enables you to control your installation from outside of your home.



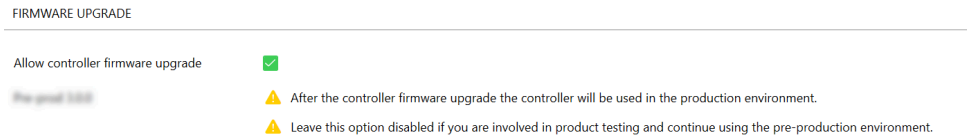
If you want to use Wiser KNX app you need to enable cloud connectivity by enabling the **Cloud connector** and **KNX 3rd party IoT API** in the **MOBILE APP** section.

It is also recommended to enable automatic updates for **Cloud connector**, **KNX 3rd party IoT API**, and **Touch** in order to keep them always up to date.

See more here https://www.productinfo.schneider-electric.com/wiser-knx/.

Firmware Upgrade

In the **FIRMWARE UPGRADE** section, you can enable the automatic upgrade of the controller firmware.
If you enable the automatic update of the controller firmware, eConfigure KNX Lite will always update the controller firmware to the latest available version.



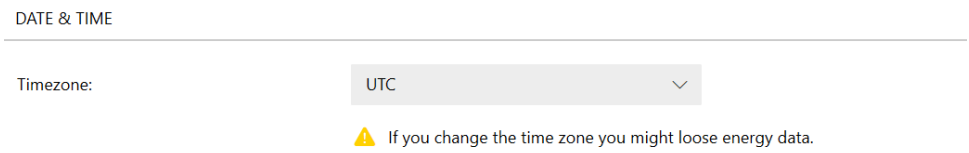
To allow controller firmware upgrade, check **Allow controller firmware upgrade**.

After the controller firmware upgrade the controller will be used in the production environment. Leave this option disabled if you are involved in product testing and continue using the pre-production environment.

NOTE: It is highly recommended to enable this feature.

Date & Time

In the **DATE & TIME** section, choose the time zone in which your controller is located.



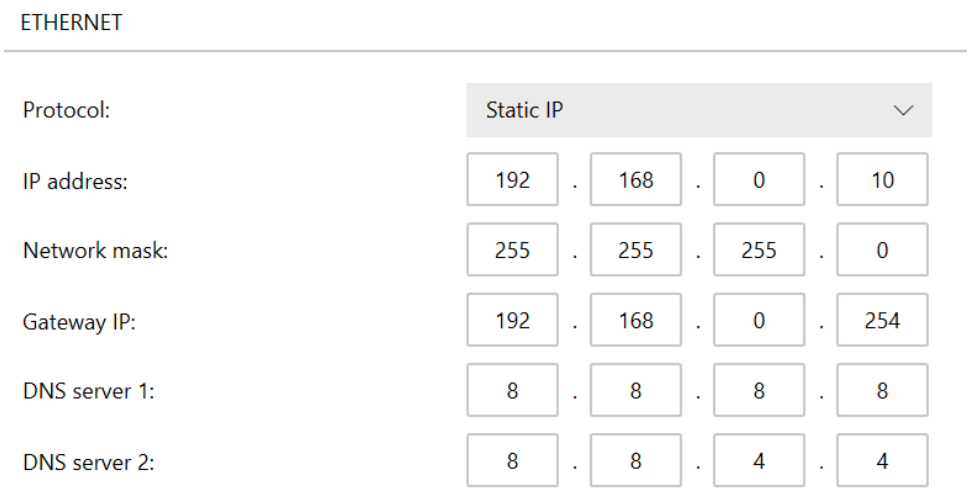
If you change the time zone, you may lose energy data.

The time zone changes in some cases during a firmware reset/upgrade as shown in the following table:

Time zone updates	Time zone does not update
Upgrade/Reset controller firmware + replace configuration	Upgrade/Reset controller firmware + update configuration
Replace configuration	Update configuration

Ethernet (IP Settings)

Set the IP configuration of the controller according to how the controller is connected to your computer.



Ask the user what type of IP protocol they prefer:

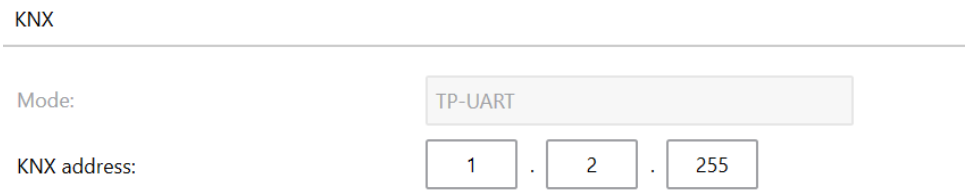
Static IP	Controller is directly connected to the computer via ethernet cable. (If you want to work with the controller, your computer has to be on the same IP network as the controller.) Static IP is generally used in commercial buildings. Ask the IT specialist responsible and ask them about the settings.
DHCP (automatic)	Select this option if your controller is connected via a router. DHCP is generally used in residential installation if you connect your controller to the DSL router of your end-user.

Take an IP training or contact the integrator for more details about the automatic and manual connection.

NOTE: After the commissioning, the controller is accessible via the IP address you enter here.

KNX

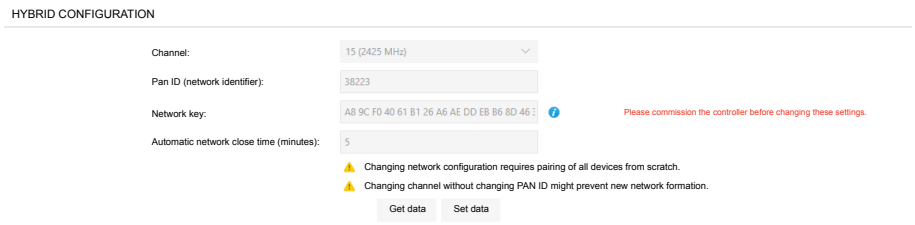
In this section, enter the KNX address of your controller.



Hybrid Configuration

If your installation contains wireless devices, get the ZigBee network configuration data from your Hybrid module in the **HYBRID CONFIGURATION** tab:

1. Go to **SWITCHBOARD** > **Controller** > click **HYBRID CONFIGURATION** > **Get data**.

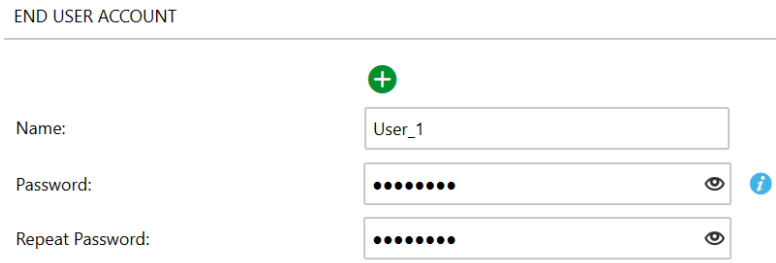


2. If you need to change the obtained data (for example, change the channel), make changes in the form and click **Set data**.

   NOTE: Changing the network configuration requires the devices to be paired again. Changing the channel without changing the PAN ID may prevent creation of a new network. Commission your controller before you change the **Network key**.

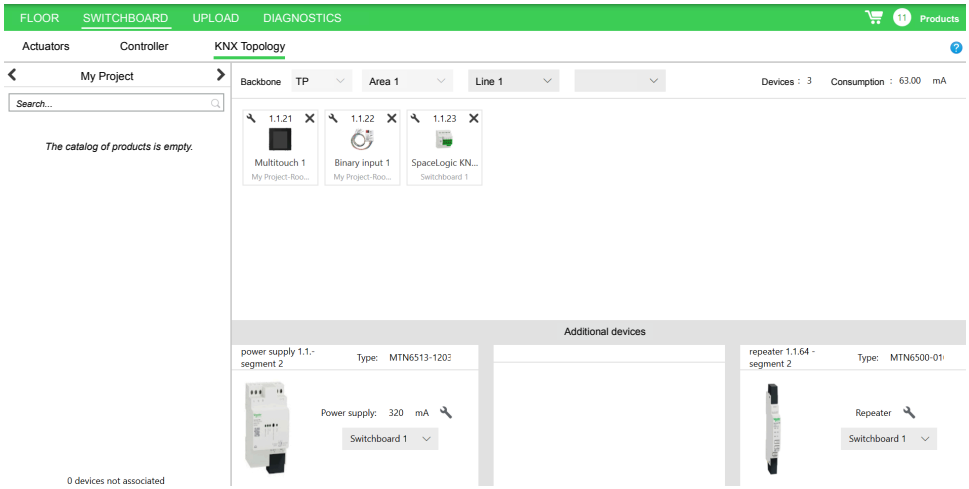
End User Account

In the **END USER ACCOUNT** section, you can create controller local user accounts. Each user can log in to the web interface of the controller with their user credentials.



To create end user account, click > type user name and set the password.

KNX Topology



The **KNX Topology** tab displays devices divided by location. Initially, this tab remains empty until you configure the actuators. Once the actuators are configured, all devices will be displayed in the **KNX Topology** tab, divided into segments and lines. eConfigure KNX automatically assigns a power supply to each segment based on the power consumption of the devices in that segment.

Configuration details

- **Lines and Devices**: With eConfigure KNX Lite, you can use the main line of area one and three additional lines. Each line can be assigned up to 63 devices. eConfigure KNX automatically assigns the first 63 devices to line 1.1. Additional devices will remain on the left side for manual assignment (**Devices not associated**).
- **Segments**: If you have more than 64 devices, distribute them into segments of the KNX bus. When you add a new segment, eConfigure KNX automatically adds a SpaceLogic KNX Bus Coupler as a repeater.

Device display

Devices are displayed as tiles with information on their name, location, and group address. You can:

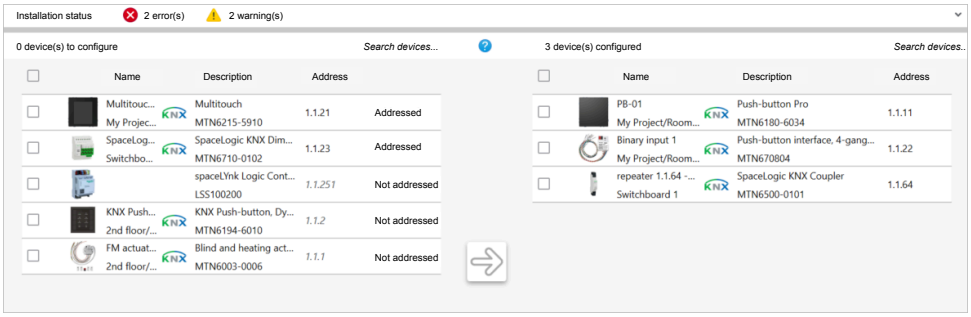
- **Modify individual addresses:**
  1. Click on your device tile.
  2. Fill in the numbers.
  3. Click **OK**.
- **Remove devices**: Click **×** to remove devices.
- **Replace power supply**: Click on the power supply and select the item from the list.

Upload

Once you have finished the floor plan and switchboards settings, you can move to the **UPLOAD** tab.

The **UPLOAD** tab is used to download the configured programs into the KNX devices. It also provides essential information and tools for finalizing the installation, including:

- **Installation status**:
  Shows errors and warnings from the **FLOOR** and **SWITCHBOARD** tabs. Click **Installation status** to see an overview.
- **Devices to configure/Devices configured**:
  On the left side of the screen, you see the devices that still need to be configured. On the right side, you see the list of devices that have already been configured.
- Device programming:
  You can select devices and initiate the upload process by clicking the arrow button in the center of the screen. If a device is not yet addressed, press its programming button to assign an individual address.



KNX Devices Configuration

Connecting Interfaces

1. Connect your computer:
   - Use a USB interface (MTN631829 or MTN6502-0101) or ensure you have a KNX IP interface before uploading programs to your devices.
   - You can connect to the complete installation on-site or each device individually (e.g., in your office).
2. Configure the controller
   - If configuring the controller, connect it to your computer using an RJ45 cable.

Selecting and Adding Interfaces

1. Select interface:
   - Click **Select Interface** at the bottom left of the **UPLOAD** tab.
   - eConfigure KNX will search for available KNX USB/IP/**Space Logic KNX Remote** interfaces.
2. Choose your interface:
   - After searching, double-click your interface or select it and click **OK**.

3. Add interface manually:
   - In **Select your bus interface** dialog, click **Add interface** and fill in the form:
     - **Name**
     - **Individual address**
     - **IP address**
     - **Port**
     - **Using NAT**: Be cautious with NAT mode for unsecured internet connections. It's safer to use a VPN and local IP addresses. Ensure the client router allows port mapping.
   - Click **Test** to verify the connection. If successful, click **OK**.

Troubleshooting Interface Recognition

- Ensure you are using a compatible interface: USB interface (MTN681829) or Wiser for KNX/homeLYnk (LSS100100)/spaceLYnk (LSS100200).
- Verify your computer is on the same network if using a controller.
- Check that the firewall is not blocking communication with the controller.

Configuring Devices

Configure Devices:

- In the **UPLOAD** tab, select the devices you want to configure and click the arrow button in the center of the screen.
- Follow the wizard steps. If your device is not addressed, press the programming button on your device to assign an individual address.
- Wait for the configuration to finish.

Address only configuration:

- Click **Address only** at the bottom of the screen and follow the wizard to configure only the individual address.

Application only configuration:

- Click **Application only** to download only the application program to the selected devices without changing their individual addresses or other settings. This is useful for updating device functionality without altering network configuration.

Resetting devices:

- If multiple devices have the same individual address, click **Reset the device** and start over.

Final Steps

Separate configuration:

- It is always better to configure each device separately.

Completion:

- Once the device appears on the right side of the **UPLOAD** tab screen, the configuration is complete.

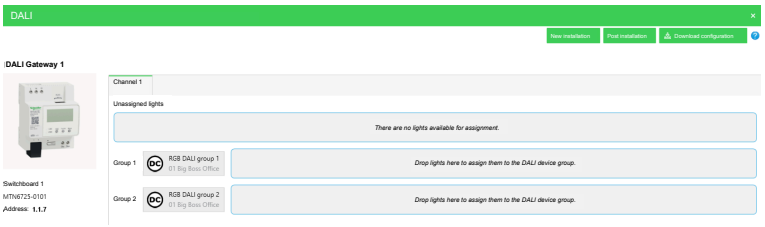
DALI Gateway Configuration

If you have a DALI Gateway in your installation, you need to assign the lights (ECGs) to DALI groups after the configuration of DALI Gateway. All the ECGs must be powered and connected to the DALI Gateway via the DALI bus.

In the list of commissioned devices on the **right** side of the screen in the **UPLOAD** tab, find the DALI gateway you want to configure and proceed as follows:

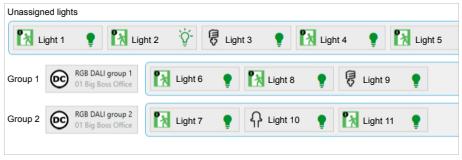
1. Click **Configure** button in the device line > select one of the following options:
   - **New installation**:
     You start the new installation process. This includes searching for all lights and deleting the existing configuration.
   - **Post installation**:
     Post installation means maintaining the existing configuration (adding/ removing lights) and searching for new lights.
   - **Download configuration** to download group configuration into the DALI Gateway and the ECGs.

     NOTE: No new lights are searched for. Only the configuration of already discovered lights will be downloaded.



2. You can search for the right light to assign inside the **Unassigned lights** section.
   You can identify the light as follows: Right-click the light icon and select one of the following options:
   - **Turn on**: The light turns on
   - **Start blinking**: The light starts blinking.

     To turn off the light, right-click the light icon and click **Stop blinking**/**Turn off**.
3. Drag and drop unassigned lights and assign them to groups. **The changes are saved immediately to the DALI Gateway.**



4. Click **Close**.

DALI Gateway is configured.

Controller Commissioning

If your installation includes a logical controller, you have to commission it using the **UPLOAD** tab.

Follow these steps to commission the controller:

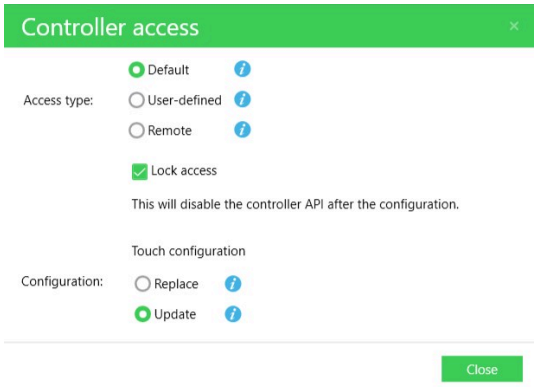
1. Locate and select the controller:
   - In the left section of the **UPLOAD** tab, find and click on the controller device.
2. Set up controller access:
   - Click **Select controller access** at the bottom left corner of the screen.
   - First, configure the **Default** access type. (See the section Access Type Default, page 50 for more details.)
3. Configure **User-defined** access type:
   - After setting up the default access, proceed to configure the **User-defined** access type. (See the section Access Type User-defined, page 50 for more information.)

Use the **Remote** access type to commission a controller via a secure remote configuration interface as described in the chapter **Remote Configuration Interface** of the SpaceLogic KNX Remote user guide.

Access Type Default

To begin commissioning the controller using the **Default** access type, follow these steps in the **UPLOAD** tab:

1. **Open the controller access settings:**
   In the **UPLOAD** tab, click **Select controller access** > choose **Access type** > **Default**.
   This mode is used for local configuration only, where the controller is directly connected to your PC via an Ethernet cable.
   - The eConfigure KNX tool communicates with the controller using the IP address **192.168.0.10**.
   - Your PC's IP address is automatically adjusted to ensure communication with the controller.



2. **Switch to User-defined access:**
   After completing the initial setup in the **Default** mode, connect the controller to your local network (router), and switch to **Access type** > **User-defined**.
3. **Continue with User-defined configuration:**
   Proceed with the steps described in the Access Type User-defined, page 50 chapter to complete the commissioning process.

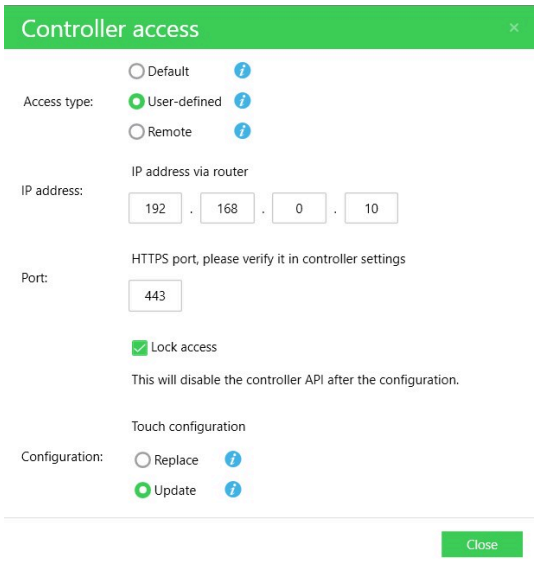
Access Type User-defined

After completing the initial setup in **Default** mode, proceed with the **Access type** > **User-defined** to finalize the controller configuration over your local network.

Follow these steps in the **UPLOAD** tab:

1. **Switch to User-defined access:**
   In the **UPLOAD** tab, click **Select controller access** > choose **Access type** > **User-defined**.

   NOTE: The controller must be reachable from your computer over the local network.



2. **Enter network details:**
   Provide the controller´s IP address and the HTTPS port assigned to it.

   NOTE: Verify the HTTPS port in your controller settings.

3. **Lock the controller API:**
   Use the **Lock access** function to secure the controller.
   eConfigure KNX will automatically unlock the controller for the duration of the upload.

   NOTE: For security reasons, ensure the API is locked again after your configuration is complete.

4. **Select Touch configuration settings:**
   Choose how to handle the existing Touch configuration on the controller:
   - **Replace**: Deletes the current configuration and uploads a new one.
   - **Update**: Updates the configuration while preserving user changes made in Touch Config.

5. **Close the access settings:**
   Click **Close** to confirm and exit the access configuration.

6. **Start the upload process:**
   In the **UPLOAD** tab, go to the list of devices to configure (left side), select your controller, and click the arrow in the center of the screen to begin uploading.

7. **Confirm connection:**
   When prompted with a **Potential Security Risk** dialog, click **Trust** to establish a secure connection to the controller.

8. **Follow the steps in the upload wizard.**
   Complete the steps in the upload wizard. The controller may restart to apply IP changes. Ensure your PC´s network settings match the new controller IP.

9. Click **Close** to complete the upload.

Once the upload is successful, the controller will appear in the list of configured devices on the right side of the **UPLOAD** tab.

IMPORTANT: After each VPN session, update the controller’s IP address to the correct **User-defined** value.

Access Type Remote

The **Remote** access type in eConfigure KNX allows users to commission and configure KNX controllers that are not on the same local network. It is designed for secure, remote access using the **SpaceLogic KNX Remote** service.

For full setup instructions, refer to the SpaceLogic KNX Remote user guide.

Why Use Remote Access

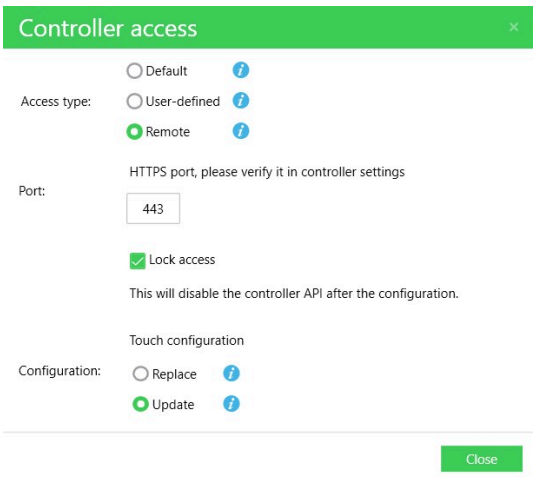
Remote access is especially useful for:

- **Commissioning from anywhere** – configure controllers via internet.
- **Diagnostics and updates** – troubleshoot without traveling.
- **Secure access** – reach controllers in restricted or distant locations.
- **Centralized management** – handle multiple installations from one interface.
- **Remote parameterization** – update Touch visualization or configure ZigBee devices

How It Works

To use **Remote** access, the following conditions must be met:

- The controller supports **SpaceLogic KNX Remote** access.
- A WireGuard VPN tunnel (**Remote Configuration Access**) must be granted by the controller owner before selecting **Remote** access type in eConfigure KNX.
- The controller connects to the KNX bus and LAN via the IP interface.
- In the **UPLOAD** tab, go to **Select controller access** > **Access type** > **Remote**.



- The system automatically uses the IP address from the active VPN – no manual IP entry needed.
- Once connected, users can upload configurations and perform remote parameterization just like in local modes.

Integration with SpaceLogic KNX Remote

The **Remote** access type relies on the **Remote Configuration Interface**, which becomes available when:

- The controller is paired with a user account via the Wiser KNX mobile app or the **Management** plugin.
- A valid **SpaceLogic KNX Remote** subscription is assigned to the controller.

- Open **SpaceLogic KNX Remote** and connect to the controller you want to parameterize.
- The **Cloud Connector** is enabled on the controller to establish a secure VPN tunnel.

Once connected, the **configuration IP address** is displayed in the **SpaceLogic KNX Remote** interface and used by eConfigure KNX to establish the remote session.

Important

- Ensure the controller is properly configured for remote access.
- The controller owner must grant **Remote Configuration Access**.
- Your firewall must allow communication over the required ports (e.g., 3671 for KNXnet/IP).

ZigBee Devices

It is also possible to manage ZigBee devices in eConfigure KNX. In order to pair them with the controller, you have to connect your controller to the SpaceLogic KNX Hybrid module.

eConfigure KNX automatically installs the Hybrid plugin.

ZigBee devices support **only one group address**. If you connect several ZigBee devices to one switching device, a scheduler, or a central command, you cannot control the ZigBee devices separately.

Example:

Channel 1 of Avatar dimmer 1G and channel 1 of Avatar dimmer 2G are connected to the free locate switch. If you control one dimmer from the Touch application, the other dimmer reacts simultaneously.

ZigBee Devices Pairing

To integrate your ZigBee devices with the SpaceLogic KNX Hybrid application on your controller, follow these steps:

1. **Device selection:**
   - Navigate to **CATALOG** > **Devices**.
   - Select the ZigBee devices you want to add to your floorplan.
2. **Room placement:**
   - Drag and drop the selected devices into their respective rooms.
   - Link them with your installation (Channels and Links, page 34).
   - Configure their parameters in the **Parameters** tab (Parameters, page 35).

     NOTE: Safety ZigBee devices (such as alarms, water leakage sensors, and door/window sensors) automatically trigger each other via a separate IF network. No additional linking is required for these safety devices.

3. **Device pairing:**
   - Go to the **UPLOAD** tab.
   - Choose the specific device you want to pair.
   - Click the arrow in the middle.
   - Follow the wizard steps.
   - If your device is not detected within 30 seconds, reset it (you can find the instructions in the wizard).
4. **Completion:**
   - Click **Close**.
   - Once pairing is complete, the device will appear in the list on the right side of the screen.

NOTE: Be aware that initial pairing attempts may not always succeed. If you encounter issues, try again.

ZigBee Devices Unpairing

To unpair your ZigBee device, do the following:

1. In the **UPLOAD** tab, select your device in the list of configured devices on the right side of the **UPLOAD** tab.
2. Click **Reset the device**.
3. Follow the eConfigure KNX instructions for unpairing.

After unpairing, the device will appear back on the left side of the screen in the **UPLOAD** tab.

Remote Connection Using Direct Connection and Port Forwarding (Unsecured)

NOTE: Port-forwarding is an unsecured connection method. Anyone can connect to your network because a username and password are not required. It is recommended to use VPN connection instead.

Installation Status

Warnings and errors are displayed in **Installation status** section.

If you click **UPLOAD** > **Installation status**, you can see a detailed list of the installation elements and descriptions of the problems.

- **Errors** are problems that prevent the software from running.
- **Warnings** are problems that do not prevent the software from running but may be forgotten on your part.

Bill of Materials (BOM)

The bill of materials (BOM) is a list of all devices of your project.

The USB interface is not included in BOM. You can use the same USB interface for all your project.

Verify that you set up your actuators and controllers properly. Otherwise, they will not appear in the list of hardware you generate from your BOM.

If your project has several line segments, please check whether the tab **SWITCHBOARD** > **KNX Topology** is correctly set.

The BOM contains only the devices. Do not forget to order additional accessories:

- Push-buttons: frames, installation boxes, and additional accessories.
- Controllers.

Each BOM item contains the following information:

- Name
- Reference
- Description
- Range
- Color
- Reference

To view the BOM, click  in the upper right.

From the BOM, you can:

- Export: group addresses, reports, and lists (for your customers and users).
- Apply color to all products.

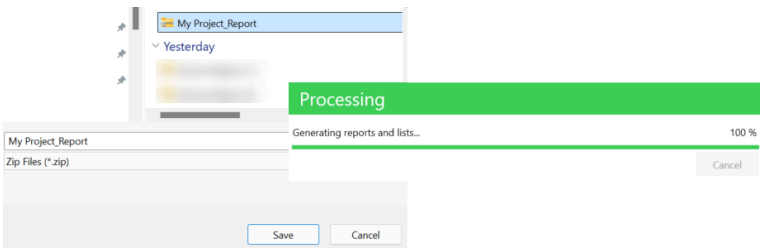
Creating Reports from Your BOM

At any stage of your project, you can generate various reports from the Bill of Materials (Bill of Materials (BOM), page 55).

To do this, follow these steps:

1. Click .
2. Select **Export reports and lists**.

Once the reports and lists are generated, you can save them as a *zip file to your local storage.



The following reports are included in the exported *.zip file:

- Bill of material
- Installation/customer report

- User report
- Floor plans
- *.esf file with group addresses

Installation (Customer) Report

The installation report contains information for the electrician to be able to:

- Check the list of devices and loads.
- Wire the actuators to the right loads.
- Install the devices at the right place in the project.
- Check the proper functioning of the installation.

User Report

The **User report** provides the end user with the essential information so that they can test the installation and validate that it corresponds to their needs.

You can include this report in your quotation to provide more details.

Diagnostics

The **DIAGNOSTICS** feature helps you to identify devices of your network and detect configuration inconsistencies. KNX and Zigbee devices are diagnosed separately.

The diagnostics tool provides three functions to identify a device:

- Identify devices through bus monitoring
- Check individual addresses
- Identify all devices in programming mode

Diagnostics is useful, for example, in the following situations:

- You want to upload your device, but the group address is already taken. You want to see which device is using this address so that you can upload the application to the right device.
- You note that clicking the button does not turn on a lamp. You want to find this button in the eConfigure KNX project (as there are several buttons in the same room).
- You suspect that a button is not connected to the right actuator. You want to identify the right actuator, to connect the button to this actuator.

The software guides you step by step through the entire diagnostics process.

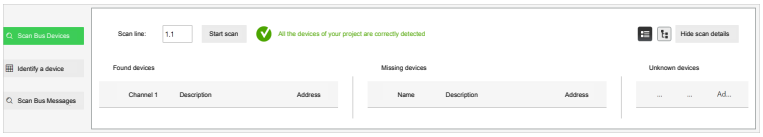
You can also perform the diagnostics manually using the individual buttons in the lower half of the **DIAGNOSTICS** tab.

KNX Diagnostics

Scan Bus Devices

With the **Scan Bus Devices** function, you can scan for devices that are physically configured on lines.

In **DIAGNOSTICS** tab > **KNX**, click **Scan Bus Devices** and select the line you want to scan. The lines correspond to the lines defined in **SWITCHBOARD** > **KNX Topology**.



Devices are sorted into three columns according to the scan result:

- Found devices
- Missing devices
- Unknown devices

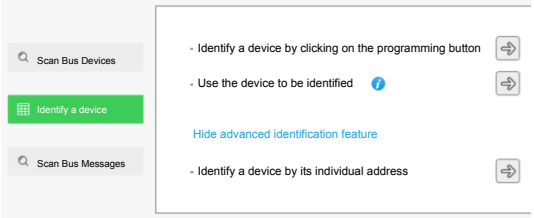
If a device does not appear anywhere, you may look for it in **SWITCHBOARD** > **KNX Topology**, whether it is configured on the correct line according to your electrical wiring.

Identify Devices

In the **DIAGNOSTICS** tab > **KNX**, you can identify a device on your network with **Identify a device** function.

There are three ways how to do it:

- Press the programming button.
- Use the device to be identified.
- Type the device individual address (click **Show advanced identification feature**).



Follow the step-by-step guide which will guide you in diagnosing link issues.

Identification by Programming Button

Most devices have a programming button, which turns on (or off) a programming LED.

If you want to identify your device with its programming button, do the following:

- Press the programming button of your device > click **Start scan**.

By default, detection starts on line 1.1.

If you want to look for a device on another line, click **Show advanced parameter** > type the number of the line to scan > click **Start scan**.

All the devices with their programming LED on display on the screen.

Press the programming button of the devices you do not want to identify to turn off their programming LED.

Identification by Using the Device

If your device programming button is difficult to be accessed, you can identify your device by using it. This tool can detect unexpected messages on the bus (by detectors for example).

The detection process has to be running (visible on the bottom of the screen).

- Trigger the device you want to identify, so that it sends messages to the bus (for example, click the button of a push-button or trigger the presence detector).
- With the button **Ignore this device**, you can ignore any new message sent by this device during the detection process.
- If you want to detect again a device you have ignored, click **Show ignored devices: X** (X = the number of ignored devices) > click **Detect this device again**.
- If you want to ignore all devices except the one you wanted to identify, click **Keep only this device**.

Your device may be undetected because it did not send any message to the bus. You need to identify your device through the programming button or its address.

Identification by Individual Address

If you know the individual address of your device (it is visible in the **SWITCHBOARD** > **KNX topology** or the **UPLOAD** tab), you may want to identify your device by typing its address.

If a device is found after you typed its address, turn on/off the programming LED of your device, so that you can locate it.

If there is no device at this individual address, run the **Scan bus devices** feature which may help you to find it.

Some devices may be detected but not recognized:

Those are labeled as **Unknown device**. They have probably been uploaded from another project in eConfigure KNX, or you have made significant changes in your project since you uploaded this device for the last time.

We recommend you reset such device and re-upload it so that it is updated.

Scan Bus Messages

To see the traffic of your network you can run the **Scan Bus Messages** feature:

Click **DIAGNOSTICS** tab > **KNX** > **Scan Bus Messages** > .

While scanning all the messages are monitored.

Each message provides information about:

- Hour (sending time)
- Service
- Source address (of sending device)
- Source name (device name)
- Destination address (device group address)
- Destination name
- Info (value of the message – On, Off, Up, Down, percentage, etc.)

ZigBee Diagnostics

In the ZigBee device **DIAGNOSTICS** section, you can view the status of individual devices, access a list of logs, and monitor device activity in real time.

To start the diagnostics:

1. Click **DIAGNOSTICS** > **ZigBee** > **Connect**.
2. Select the desired tab: **Devices**, **Logs**, or **Monitor**.

Each tab provides specific insights:

- **Devices**: Displays the current status and connectivity of each ZigBee device.
- **Logs**: Shows a chronological list of recorded events and system messages.
- **Monitor**: Offers a live view of device communication and activity.

Devices

In **DIAGNOSTICS** > **ZigBee** > **Devices**, you can view all paired devices and perform the following actions:

View Device Information

For each device, you can access detailed information including:

- **MAC address**
- **Name**
- **Manufacturer**
- **Model**
- **Firmware version**
- **Battery level**
- **Link quality**
- **Update time**
- **State**
- **Actions**
- **Location**

View Device Configuration

To view the configuration of a device:

- Click the **Configure** button or the configuration icon .
- Configuration is available only for devices with a white background, indicating they are configured.

View Device Parameters

If parameters are available:

- Click the **Parameters** button or the parameters icon .
- Parameters can only be viewed for configured devices (white background).

Remove Devices

To remove a device from the network:

- Click the delete icon at the end of the device line.
- Confirm by clicking **Yes**.

Device Color Indicators

The background color of each device indicates its status:

- **White**
  Device is configured.
- **Yellow**
  Device is not configured.
- **Red**
  Device has left the network.

- **Green**
  Device is undergoing a firmware upgrade.

Logs

The network log is a real-time data set that records messages, commands, and communications related to network operations.

You can capture individual packets or groups of packets for purposes such as analysis, traffic monitoring, or troubleshooting.

The network log may include various types of information, such as:

- Job time, step time, and data generated by user-defined routines
- Operational data
- Descriptions of unusual or unexpected events

You can export the log data as a `.txt` file and save it locally for further review or documentation.

Monitor

The **Monitor** function allows you to track device activity within the network, along with the values reported by each device.

The following information is displayed:

- **Number**
  Sequential identifier of the entry
- **Time**
  Timestamp of the recorded activity
- **Type**
  Type of message or event
- **Link quality**
  Signal strength or quality of the connection
- **Address**
  Device network address
- **Name**
  Device name
- **Model**
  Device model identifier
- **Cluster**
  Communication cluster used
- **Group**
  Group ID, if applicable
- **Action**
  Type of action performed or triggered
- **Data**
  Data payload or reported value

You can export the monitored data as a `.csv` file and save it locally for further analysis or record-keeping.

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