

# SpaceLogic KNX and Samsung SmartThings

## User Guide

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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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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 document describes how to integrate a SpaceLogic KNX system with the Samsung **SmartThings** platform. It explains the prerequisites, configuration steps, supported device types, and troubleshooting information required to synchronize KNX devices with **SmartThings**.

This document does not describe the general use of the **SmartThings** platform or **SmartThings** application features.

## Validity Note

This document applies to Wiser for KNX and spaceLYnk controllers with supported hardware versions and firmware versions specified in this document. Features, supported device types, and integration capabilities may change with future firmware releases and **SmartThings** platform updates.

## 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.

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  - [Access the cybersecurity posture.](#)
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## Related Documents

| Title of documentation                                                 | Reference number       |
|------------------------------------------------------------------------|------------------------|
| Wiser KNX Mobile Application User Guide                                | LSS100100_W4K_App_EN   |
| SpaceLogic KNX LSS100100 Wiser for KNX, LSS100200 spaceLYnk User Guide | LSS100100_LSS100200_SW |

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# Overview

The **SmartThings** integration connects a SpaceLogic KNX system to the Samsung **SmartThings** and **SmartThings Pro** ecosystems, enabling use in residential as well as commercial environments.

It allows KNX devices to be:

- controlled from the **SmartThings** mobile application,
- combined with other smart devices,
- used in cross-platform automation.

The integration does not require installation of a dedicated plugin on the controller. It relies on existing controller capabilities.



## What the Integration is Used For

The integration extends the KNX system into a broader IoT environment.

**SmartThings** integration introduces a new control layer on top of the KNX installation.

Typical use cases:

- Unified control of KNX and non-KNX devices in one application.
- Simplified user experience.
- Cross-system automation.
- Remote monitoring and control.

Through the **SmartThings** ecosystem, KNX devices can be combined with other supported devices, such as smart appliances, televisions, cameras, air conditioners, lighting devices, sensors, and other IoT products from various manufacturers.

**SmartThings** acts as an additional layer for user interaction and automation, while the KNX system remains the primary control system.

# Architecture and Components

The solution consists of four functional layers.

## KNX System

- KNX devices (lighting, blinds, HVAC, sensors, etc.).
- Configured via ETS or equivalent tools.
- Connected to a controller (**Wiser for KNX** or **spaceLYnk**).

## Controller

The controller acts as the integration point.

- **Wiser for KNX** or **spaceLYnk**.
- Executes logic and stores configuration.
- Communicates with cloud services.

## Cloud Layer

The cloud layer enables communication with platforms such as **SmartThings** and acts as an intermediary between the controller and third-party services.

The integration uses controller-side plugins, such as:

- **Touch** visualization.
- **Cloud Connector**.
- **KNX IoT 3rd Party API**.

These plugins are installed automatically as part of the controller firmware.

## Application

- **SmartThings** mobile application.
- Provides control, visualization, and automation.

## How the Integration Works

The integration uses a cloud-to-cloud communication model.

1. The controller connects to Schneider Electric Cloud Services.
2. KNX data is exposed through controller services.
3. **SmartThings** connects via account linking.
4. Supported KNX devices appear in **SmartThings** mobile application.

Key principles:

- **SmartThings** does not communicate directly with KNX.
- The controller is always the central system.
- The cloud is only a communication layer.
- Device availability depends on widget configuration.

# Key Concepts

## SmartThings Mobile Application vs. Integration

The solution consists of two logical parts:

- The **SmartThings** mobile application (user interface).
- The controller functionality that exposes KNX data.

There is no separate **SmartThings** plugin on the controller.

## Widgets

Widgets represent KNX device functionality.

They:

- are created in **Touch** visualization,
- are mapped to KNX group objects,
- define what is exposed externally.

Only supported widgets are visible in **SmartThings**.

## Supported Widgets

Switch  
Fan switch  
AC switch  
Light switch  
Smart plug  
Dimmer  
Shades  
Blinds vertical  
Blinds horizontal  
Thermostat  
Weather station  
Motion sensor  
Window/Door sensor  
Air quality sensor  
Gas sensor (InBiot)  
Particle sensor (InBiot)  
Fire alarm  
Water alarm

## Touch Visualization

**Touch** is the visualization plugin on the controller.

It defines:

- rooms and structure,
- device representation,
- mapping to KNX objects.

This structure is reused across integrations.

## Automations

Two independent automation layers exist:

- KNX logic (controller-based).
- **SmartThings** routines (cloud-based).

They operate independently and can coexist.

---

## Prerequisites

Before integration, ensure the system is fully configured.

## Controller and KNX Setup

- KNX installation must be complete and operational.
- KNX project must be uploaded to the controller.
- Devices must be properly configured.

## Firmware and Connectivity

- The controller must run a supported firmware version.
- Only controller hardware version 1 and version 2 are supported.
- The controller firmware version must be 3.0 or higher.
- The controller must be connected to the internet.
- The **Cloud Connector** on the controller must be **Connected**.

## Required Controller Components

No special **SmartThings** installation is required.

The controller must have:

- **Touch** visualization.
- **Cloud Connector**.
- **KNX IoT 3rd Party API**.

These components:

- are standard controller plugins,
- are typically installed with firmware,

are the same as required for the **Wiser KNX** mobile application.

## Touch Visualization Configuration

The **Touch** project must be complete.

Requirements:

- Rooms defined.
- Widgets created.
- Widgets properly configured.
- Widgets verified for mobile use.

Only correctly configured widgets are exposed externally.

## User Account and Cloud Access

You must:

- Create a Schneider Electric account (during the setup of the **Wiser KNX** mobile application).
- Link the controller to the account (pairing procedure in the **Wiser KNX** mobile application).
- Ensure remote access is working (**Cloud Connector** is connected and devices can be controlled via **Wiser KNX** mobile application).

## SmartThings Setup

- **SmartThings** app must be installed on your mobile device.



*SmartThings mobile application icon*

- Samsung account is required to use the **SmartThings** application.

# SmartThings Mobile Application Setup

Before configuring the integration, prepare the **SmartThings** environment.

## Install the SmartThings Mobile Application

The **SmartThings** mobile application must be installed on your mobile device.

The application is available from:

- Google Play Store for Android devices.
- Apple App Store for iOS devices.

To install the application:

1. Open the app store on your device.
2. Search for **SmartThings**.
3. Download and install the application.

The **SmartThings** application is provided by Samsung and is used to connect and control compatible devices.

## Samsung Account

A Samsung account is required to use the **SmartThings** application.

The account:

- identifies the user in the **SmartThings** ecosystem,
- stores connected devices and settings,
- enables cloud-based services and integrations.

All **SmartThings** features require a valid Samsung account.

## Create or Sign In to a Samsung Account

You can create the account directly in the **SmartThings** application.

1. Open the **SmartThings** application.
2. On the welcome screen, select **Sign in** or **Create account**.
3. If creating a new account:
  - Enter your email address.
  - Create a password.
  - Fill in the required details.
4. Confirm the registration.
5. Verify your email address using the confirmation email.

After verification, sign in using your new credentials.

## Verify SmartThings Setup

After signing in:

- The **SmartThings** home screen is displayed.



- The **Add device** option is available.

This confirms that:

- the application is installed,
- the account is active,
- the system is ready for integration.

# Integration Setup

The integration is configured in the **SmartThings** mobile application by linking the Schneider Electric account.

**IMPORTANT:** Only devices represented by supported and properly configured **Touch** widgets are synchronized and appear in the **SmartThings** application.

## Add Schneider Electric in SmartThings

1. Open the **SmartThings** mobile application on your device.
2. On the **Home** screen, tap **+** and select **Add device**.
3. Select **Partner devices** and tap **Add**.
4. Search for Schneider Electric and tap it in the partner list.

## Link Accounts

1. On the **Connect Schneider Electric** screen, tap **Link account**.  
**NOTE:** If you tap the question mark icon in the upper right corner of the **Connect Schneider Electric** screen, you can view the list of supported devices by tapping the **View supported devices** link.
2. The **Schneider Electric Cloud Services** screen opens and prompts you to sign in to your account.
3. Enter your Schneider Electric credentials (the same you use for **Wiser KNX** mobile application).
4. Tap **Sign in** to confirm.
5. Tap **Yes** to grant access to the **SmartThings** integration API.

**NOTE:** By signing in, you authorize Samsung **SmartThings** to control your devices. Changes in the **Touch** configuration may require re-linking of the **SmartThings** account.

## Synchronize Devices

1. Wait for automatic synchronization. Device synchronization is triggered automatically after account linking.
2. Verify that devices appear in **SmartThings**.

## Supported Devices

You can verify which Schneider Electric devices are listed as compatible with **SmartThings** on the official Samsung website.

The list of supported devices is maintained by Samsung and provides an overview of device types supported by **SmartThings** platform.

## How Device Compatibility Works

The Samsung **SmartThings** website shows reference device types only.

For SpaceLogic KNX, compatibility is based on supported widget-types and their functionality, not on individual device models. This means that devices from the Schneider Electric portfolio that provide the same functional capabilities as supported device types are also compatible, even if they are not explicitly listed on the website.

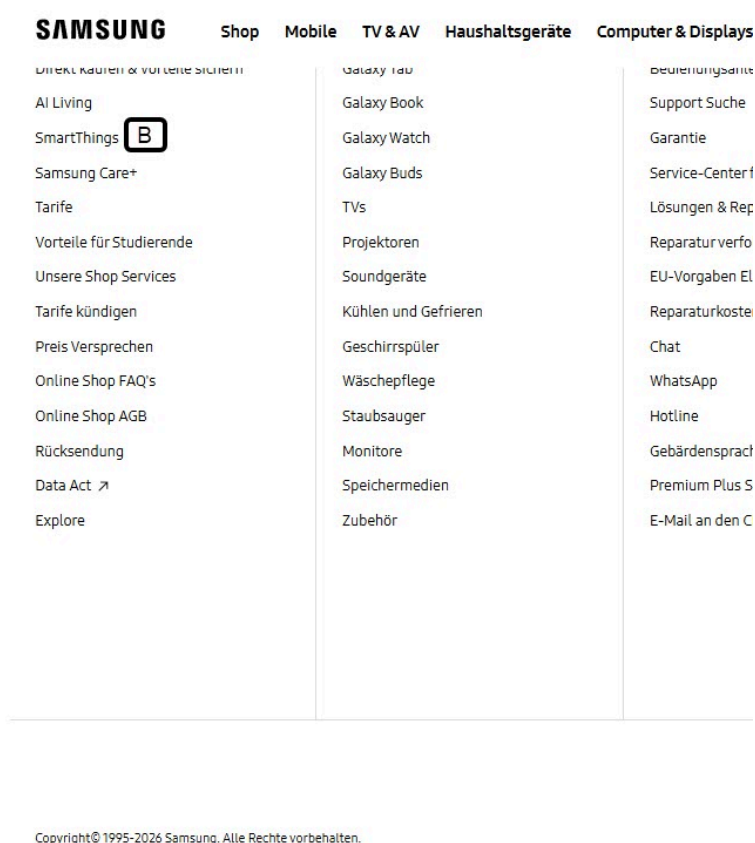
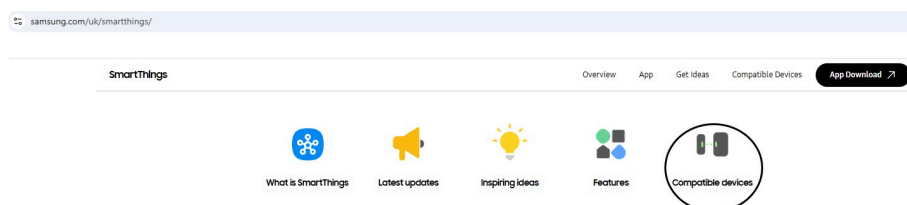
For example:

- Switch-type devices with on/off functionality are supported when mapped to a supported widget.

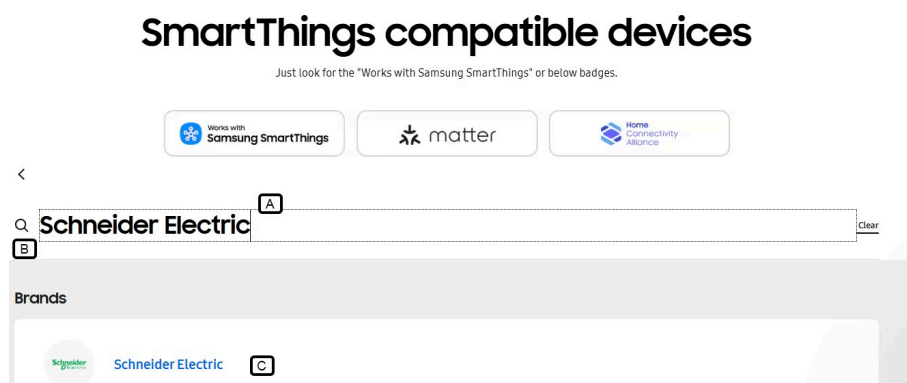
**NOTE:** Actual availability in the **SmartThings** application depends on the SpaceLogic KNX configuration and supported widgets defined by Schneider Electric. Only widgets listed in this document are validated and supported for use with the **SmartThings** integration (Supported Widgets, page 12).

## Accessing the Supported Devices List

1. Open the following webpage in your browser: <https://www.samsung.com>.
2. Scroll all the way down and select your country/language (A).

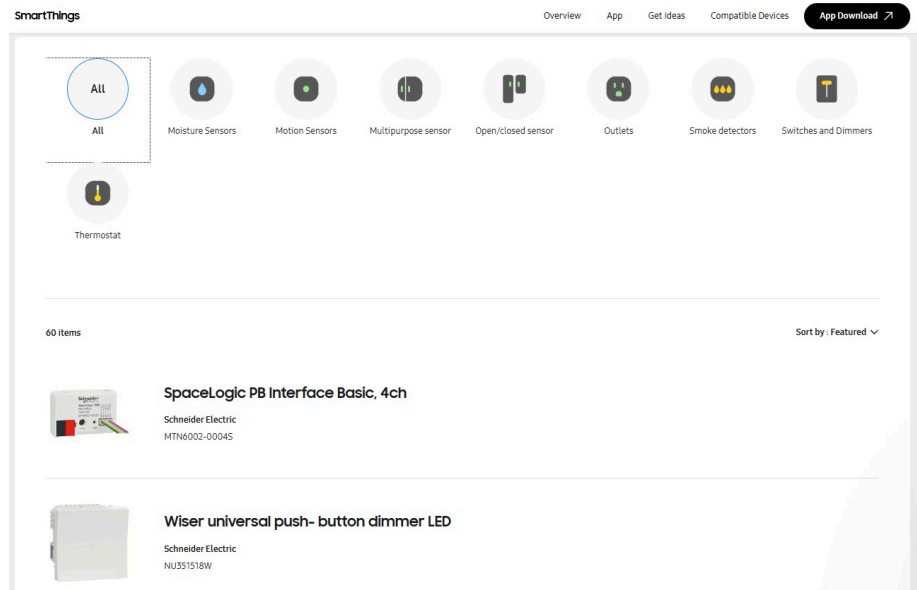
3. Click **SmartThings** (B)4. Click **Compatible devices**.

5. Click **Find compatible devices** and in the search field located in the middle of the page, type **Schneider Electric** (A).
6. Click the search icon (B).
7. In the search results, select **Schneider Electric** (C).



8. A list of supported devices is displayed.

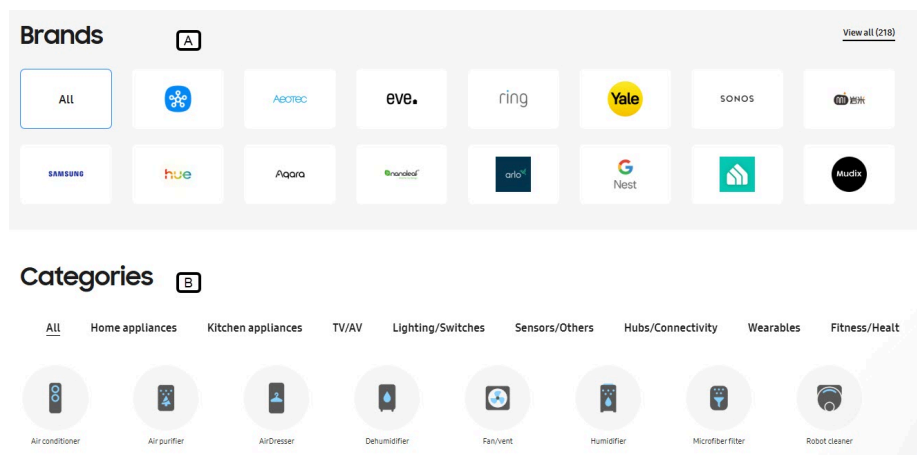
## 9. Scroll through the list to view all available devices.



## Filtering Options

The supported devices list can be filtered in two ways:

- By manufacturer/brand (A).
- By categories (B) or device type on a brand level.



## Compatibility Model

There are two levels of compatibility:

- **Platform compatibility:** Device types supported by the **SmartThings** ecosystem.
- **Integration compatibility:** Devices from the Schneider Electric portfolio exposed through SpaceLogic KNX based on supported widget types.

**IMPORTANT:** A device listed on the **SmartThings** website is an example of a supported device type, not a complete list of supported products.

# Working with Devices

After integration, devices appear in the **SmartThings** mobile application.

## Device Organization

Devices are imported from the **Touch** visualization, but their room assignment is not transferred.

After synchronization, you must assign devices to rooms in the **SmartThings** application.

You can:

- assign devices to existing rooms, or
- create new rooms and assign devices accordingly.

This step is required to properly organize devices and use them in **SmartThings** features such as control and routines.

## Device Control

Available functions depend on widget type. Typical examples include:

- switching lights,
- adjusting temperature,
- controlling blinds,
- monitoring sensors.

## Automation

**SmartThings routines** allow:

- time-based triggers,
- condition-based logic,
- cross-platform automation.

## Limitations

- Only supported widgets are exposed.
- Configuration is defined in **Touch**, not in **SmartThings**.
- Advanced KNX logic is not available externally.
- Device behavior depends on widget configuration.

## Troubleshooting

### I cannot link my SmartThings account with the Schneider Electric account. What should I check?

Verify the following:

- The Schneider Electric account credentials are correct.
- The account has already been used to pair the controller.
- The controller is online and connected to the cloud.

If the controller is not linked to the account, the linking process in **SmartThings** cannot be completed.

### I successfully logged in, but no devices are shown in SmartThings app. Why?

This usually indicates that the account is linked, but no devices are available for synchronization.

Check that:

- The controller is linked to the same Schneider Electric account.
- Remote access is working (**Cloud Connector** status = **Connected**).
- Widgets are supported, properly configured, and validated to be used in the app.

### I have multiple controllers. Which one is used for SmartThings?

**SmartThings** retrieves devices only from the first one (main) controller paired to the Schneider Electric account.

### Can multiple users access the same SmartThings integration?

Yes.

Multiple users can access the system if they have access to:

- the same SmartThings account, and
- the same Schneider Electric account, or
- an account that has been granted access to the controller.

Access rights depend on the account configuration on both platforms.



## My device is listed on the Samsung SmartThings website, but it is not visible in the SmartThings application.

A device listed on the **SmartThings** website indicates platform-level compatibility only.

For SpaceLogic KNX, only devices represented by supported widgets are available in **SmartThings**. If the corresponding widget is not supported or not properly configured in the controller, the device will not appear.

## My KNX device is configured, but I cannot see it in SmartThings. What should I check?

Verify the following:

- A corresponding widget exists in the **Touch** visualization.
- The widget is supported and verified for mobile use.
- The widget is correctly configured and assigned to a room.

Only properly configured and supported widgets are exposed to **SmartThings**.

## I can see some KNX devices, but not all of them. Why?

Only devices mapped to supported widgets are synchronized to **SmartThings**.

Devices that are:

- not represented by a widget, or
- represented by an unsupported widget

will not appear in the **SmartThings** application.

## Does SmartThings support all KNX devices?

No.

**SmartThings** does not directly support KNX devices. It only supports devices exposed through the SpaceLogic KNX integration.

As a result, only specific device types defined by supported widgets are available.

## I added a new KNX device, but it does not appear in SmartThings. What should I do?

After adding a device:

- Create or update the corresponding widget in **Touch**.
- Verify the widget for mobile use.
- Ensure the widget is correctly configured.

If needed, re-link the **SmartThings** account or wait for synchronization.

## My device appears in SmartThings, but it does not respond. What should I check?

Verify the following:

- The controller is online and connected to the cloud.
- The device is functioning correctly in the KNX system.
- Remote access is working.

If the device does not respond in the KNX system, it will not respond in **SmartThings**.

## Can I add unsupported devices to SmartThings manually?

No.

Devices are automatically imported through the integration. Only supported and configured widgets are exposed.

Manual addition of KNX devices to **SmartThings** is not possible.

## Does changing the SmartThings configuration affect KNX devices?

No.

**SmartThings** configuration does not modify KNX devices configuration.

All device configuration and logic remain in the controller. **SmartThings** only provides an additional interface for control and automation.

## There is a delay when controlling devices. Is this normal?

Yes.

Control commands in **SmartThings** are routed through cloud services. A short delay may occur due to network communication.

This is expected behavior for cloud-based integrations.

## Changes made in KNX environment are not reflected in SmartThings immediately. Why?

Synchronization is not always instant.

Possible reasons:

- Network latency.
- Cloud synchronization delay.
- Widget not updated or reconfigured.

Wait a few moments, or refresh the **SmartThings** application.

## I modified a Touch widget, but the change is not visible in SmartThings. What should I do?

After modifying a widget:

- Ensure the widget is saved and verified in **Touch**.
- Wait for synchronization, or
- Re-link the **SmartThings** account if necessary.

Only updated widget configurations are reflected in **SmartThings**.

## Can I trigger KNX logic directly from SmartThings?

No.

**SmartThings** interacts with exposed widgets only. It does not control internal KNX logic directly.

However, widgets can be linked to KNX logic within the controller.

## Why is device behavior in SmartThings different from the KNX visualization?

**SmartThings** provides a simplified control interface.

Some advanced behaviors defined in KNX or Touch may not be fully represented in **SmartThings**.

Device behavior depends on:

- widget configuration,
- supported capabilities of **SmartThings**.

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Schneider Electric  
1884 Boulevard de la Défense  
92000 Nanterre - France

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