Wiser™ KNX

Application User Guide

Release date 11/2023

www.se.com

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Wiser KNX App Availability

The Wiser KNX app is currently available in the following countries:

- Czech Republic
- Denmark
- Egypt
- Finland
- France
- Germany
- Italy
- Jordan
- Kuwait
- Lebanon
- Malta
- Norway
- Oman
- Portugal
- Qatar
- Saudi Arabia
- Spain
- Sweden
- UAE

Wiser KNX System

The Wiser KNX system offers a robust, convenient, and scalable solution for controlling your KNX installation.

You can use it in combination with the new Wiser KNX application if the app is available in your country (Wiser KNX App Availability, page 6).

Wiser KNX app allows you to control and monitor your KNX devices from anywhere where the Internet is available.

The Wiser for KNX logic controller (LSS100100) is a multi-protocol logic controller that allows you:

- Visualize your KNX installation
- Control your KNX devices
- Create advanced logic

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 manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

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

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that accompany 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.

Failure to follow these instructions 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.

Requirements for a Wiser KNX system

To use the Wiser KNX app, you need at least the following devices and conditions:

Wiser for KNX controller (LSS100100)	• Hardware version higher than 2.0 • Firmware – 2.8.3 or higher	The Wiser for KNX controller handles the visualization of the KNX devices in the installation and enables communication with the Wiser KNX app.
KNX project and a running installation	All KNX devices installed and configured through the ETS application or Schneider's eConfigure.	This has to be done by a qualified system integrator or electrician.
Internet access for the controller	To use the Wiser KNX mobile app, your Wiser for KNX controller needs to be connected to the Internet via router.	To operate the KNX and Wiser wireless devices, you do not need an Internet connection.
Supported devices	For more information, read ., page 15	
Smartphone	• iOS version 11 and higher • Android version 10 and higher	
Wiser KNX app	For more information, read Installing the Wiser KNX App, page 48.	
A valid e-mail address	To set up your Wiser KNX app, register an account at Schneider Electric with a valid e-mail address.	If you already have an existing account (from the previous Wiser for KNX app), use it for the new Wiser KNX app.

Mounting Your Controller

- **Check the instruction sheet.**

  https://www.go2se.com/ref=LSS100100

- **Install your controller in the low voltage electrical cabinet.**

  It is powered by a 24 V power supply and connected to the KNX network through twisted pair (TP) cables or IP.

- **Connect your controller to the Internet router.**

  Without internet, the controller cannot be controlled via the app.

Prepare Your Controller

If you want to connect with the Wiser KNX app, you have to enable your Wiser for KNX controller for cloud communication.

- **Update** the firmware in your controller to the highest available version (Firmware Update, page 11).
- **Enable** Cloud Connector and KNX IoT 3rd Party API applications. Both will be automatically installed with firmware update.

  NOTE: It is recommended to **allow automatic updates** of Cloud Connector and KNX IoT 3rd Party API applications.

Firmware Update

1. Go to https://www.se.com/ww/en/product/LSS100100/wiser-for-knx-logic-controller/.
2. On the page, scroll down to the **Software and Firmware** section.
3. Click the firmware file (the highest available version) that corresponds to your hardware version. It automatically downloads to your local repository.
4. In your Wiser for KNX controller, access the **Configurator** (accessible only with the Admin account).
5. Click

> **System** tab at the top left > **Upgrade firmware**.
6. In the pop-up window, click **Choose File** and select the file downloaded in step 3.
7. Click **Open** and update the firmware. Once done, your controller automatically reboots.

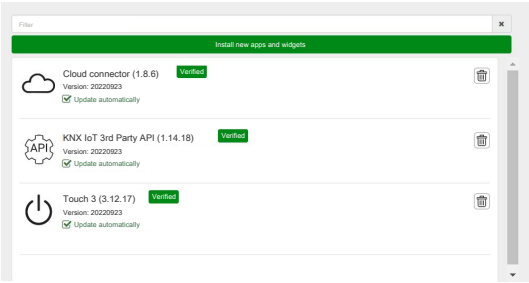
NOTE: The Wiser KNX app is compatible with hardware version 2 and higher.

Cloud Connectivity

Firmware (Firmware Update, page 11) automatically installs the Cloud connector, KNX IoT 3rd Party API, and Touch visualization applications in the controller together with a new feature that allows the automatic update of the applications.

It is highly recommended that you enable automatic updates.

Then you do not have to manually update the applications in the Wiser for KNX Marketplace in the future.



Enable Cloud Connector and KNX IoT 3rd Party API

Open the **Cloud connector** and enable it.

The icon shows the status of the application:

Connected

In the connection process

Not able to connect

Disabled

Open the **KNX IoT 3rd Party API** application and enable it for cloud connection.

The icon shows the status of the application:

- Dark grey icons of the cloud or network – remote or local access to the KNX IoT 3rd Party API is enabled.

- Light grey icons of the cloud or network – remote or local access to the KNX IoT 3rd Party API is disabled.

Voice Control

The controller supports the voice control functionality from the Amazon Alexa and Google Assistant services.

To enable those, follow the steps explained in the documents below:

Amazon Alexa

https://www.se.com/ww/en/download/document/AN002_104/

Official supported languages:

- English
- German
- Spanish
- French
- Italian
- Portuguese

Google Assistant

https://www.se.com/ww/en/download/document/AN002_108/

Official supported languages:

- English
- German
- Spanish
- French
- Italian
- Portuguese

Before You Install Wiser KNX App

After meeting the following requirements, you can start installing and setting up your mobile application:

Running KNX installation	The KNX devices have been installed and set up by a system integrator or electrician using ETS application or Schneider´s eConfigure commissioning tool.
Wiser for KNX controller installed	The controller fulfills the hardware and firmware requirements mentioned in chapter Prepare Your Controller, page 11. The controller has been properly set up, the KNX project has been imported into the controller.
The controller properly set up, the KNX project imported into the controller	For detailed information please refer to the Wiser for KNX user guide available at https://www.go2se.com/ref=LSS100100.
Touch visualization created	See more in Creating Touch 3 Visualization, page 15.

- **Touch 3** is a widget based visualization that provides easy control over KNX devices in the installation.

  In a few steps, the system integrator creates the building structure (floor and rooms), they add specific widgets and select the required KNX group objects depending on the function the widget is controlling.

  Once created, widgets will automatically generate the visualization in the Wiser KNX app.

  You can add widgets at any time later. Widgets are automatically synchronized with the Wiser KNX app.

  For detailed information on how to create the visualization in Touch and to configure the widgets, refer to the instruction *Wiser for KNX, SpaceLYnk - How to create a widget based visualization in Touch 3* available here: https://www.se.com/ww/en/download/document/AN002_105_SL/.

- **eConfigure** is the software tool for designing, configuring, and maintaining the KNX building automation system. With this tool, you can manage your KNX installation even without perfect knowledge of KNX.
  See more here: Setting up with eConfigure KNX Commissioning Tool, page 47.

Widget Based Visualization

As an open standard for home automation, KNX guarantees the interoperability of the devices regardless of manufacturer.

The system integrator installs and configures the KNX project, creates a widget based visualization with the KNX devices in Touch application.

Touch visualization is then converted to the visualization in the Wiser KNX app (as explained in Creating Touch 3 Visualization, page 15).

In Touch 3 visualization, you can add your devices and change their parameters.

You can add other elements at any time later.

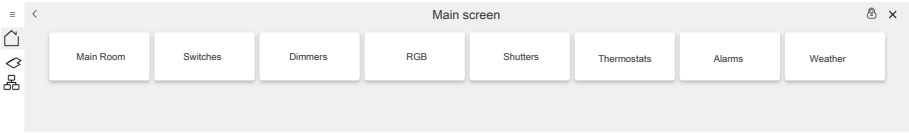
Creating Touch 3 Visualization

Touch 3 is an application that allows you to control your KNX devices through a widget-based visualization. It also provides the inputs for the Wiser KNX app.

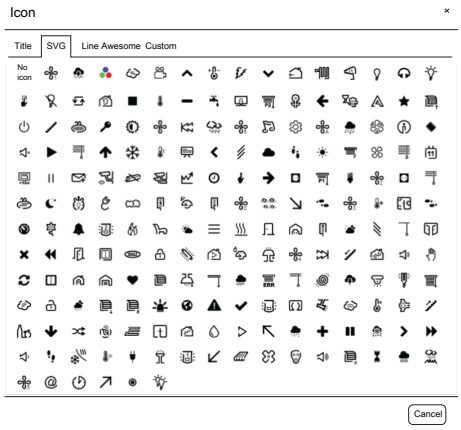
With Touch Config application, the system integrator designs a visualization as follows:

1. Log in to your controller and download the Touch 3 app from the Marketplace (see Cloud Connectivity, page 11).
2. On the **Start page**, click Touch Config

to open the visualization configurator **Main screen**.



3. Click **Add new floor** at the bottom of the page and name your floor.
4. Continue with adding rooms. Click **Add new room** and name your room.
5. Click **Icon** and assign icons to your rooms.



Icons are categorized in several tabs: SVG, Title, Line Awesome, and Custom.

Each category has a different style. Custom icons can be uploaded.

6. Click **Add new widget** and add widgets to your rooms.

   You can copy your rooms to make visualization deployment faster. You can copy rooms together with all widgets and paste them into any floor of your building. The room and widget styles keeps preserved.

   The KNX objects mapping have to be changed according to your installation.

   Learn more on creating Touch 3 visualization: https://www.se.com/ww/en/download/document/AN002_105_SL/.

Widget Configuration

You need to configure the widgets in the Touch application properly to be able to control your device through the Wiser KNX app. The following describes which widget to use for the required functionality and which mandatory parameters and group objects you need to configure.

Table

Lighting	Light switch Dimmer Dali RGB RGBW
Shutters	Blinds Vertical shutters with slats Horizontal shutters with slats
Climate	General switch AC switch Thermostat + mode + fan Thermostat VDC Electric underfloor heating
Energy	Socket EVlink Pro AC
Safety	General alarm Smoke alarm Gas alarm Water leak alarm Multisensor Weather station
Security	Door sensor Window sensor Motion sensor
Scenes	Scenes

Light Switch

CONTROLLER

Settings

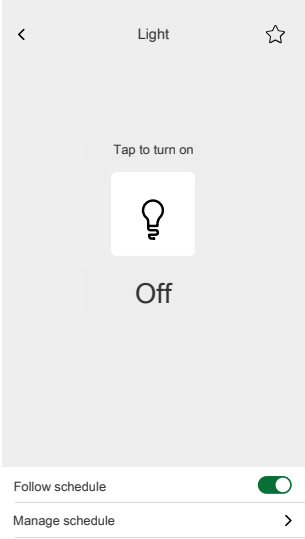
General		Objects	
Mandatory fields	Optional fields	Mandatory fields (per channel)	Optional fields (per channel)
Title	**Light 1 – 6 Title** **Light 1 – 6 voice control enabled** (checkbox)	**Switch object** **Status feedback object**	**Device status**

NOTE: Multi-widgets can have different names for each of their loads. In the app, each channel will display as a separate widget with the name assigned.

Touch widget

Light switch

Control screen



Dimmer

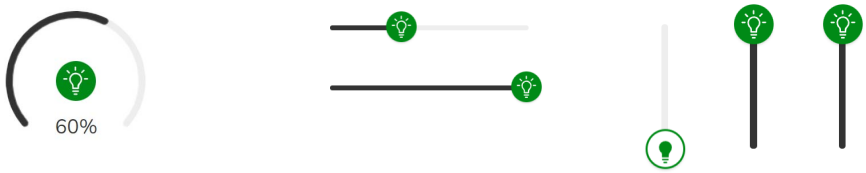
CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields (per channel)	Optional fields
Title	**Slider status wait time (s)** **Voice control** (checkbox)	**Value object** **Status feedback value object** **Switch object** **Status feedback switch object**	**Device status**

NOTE: Multi-widgets can have different names for each of their loads. In the app, each channel will display as a separate widget with the name assigned.

Touch widgets

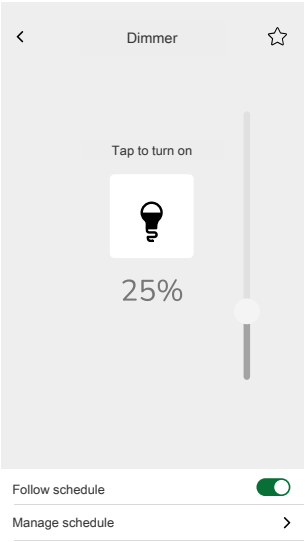


Rotary dimmer Horizontal dimmer Vertical dimmer

MOBILE APPLICATION

App widget

Control screen



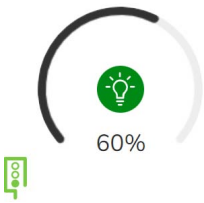
DALI

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title	**Slider status wait time (s)** **Dimmer title** **Fail alert title** **Voice control** (checkbox)	**Group value object** **Group status feedback value object** **Group switch object** **Group switch object feedback**	**Group failure status, alert**

Touch widgets



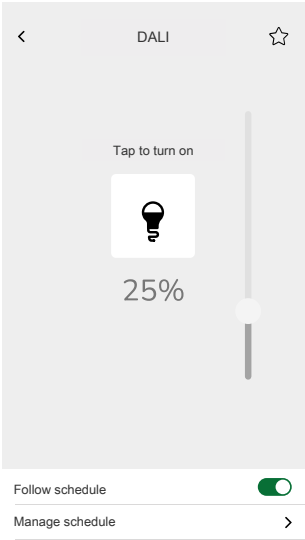
DALI group rotary

DALI group

MOBILE APPLICATION

App widget

Control screen



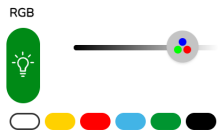
RGB

CONTROLLER

Settings

General		Objects
Mandatory fields	Optional fields	Mandatory fields (per channel)
Title	**Slider status wait time (s)** **Voice control** (checkbox)	**RGB object** **RGB status object** **Switch object** **Status feedback switch object**

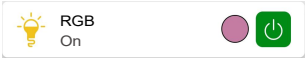
Touch widget



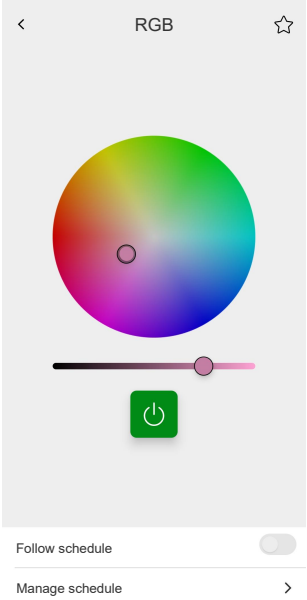
RGB dimmer

MOBILE APPLICATION

App widget



Control screen



RGBW

CONTROLLER

Settings

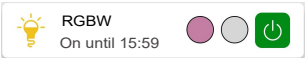
General		Objects
Mandatory fields	Optional fields	Mandatory fields (per channel)
Title	**Slider status wait time (s)** **Voice control** (checkbox)	**Red value object** **Red status feedback value object** **Green value object** **Green status feedback value object** **Blue value object** **Blue status feedback value object** **White value object** **White status feedback value object** **Switch object** **Status feedback switch object** **Switch white object** **Status feedback white switch object**

Touch widget

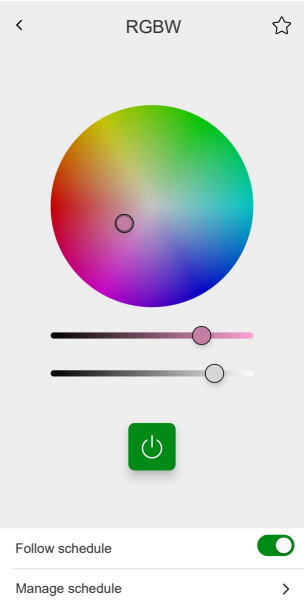
RGBW dimmer

MOBILE APPLICATION

App widget



Control screen



Blinds

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields (per channel)	Optional fields
Title	**Slider status wait time (s)**	**Height position** **Status feedback for height**	**Movement object** **Stop object** **Device status**

Touch widgets

Rotary shutter

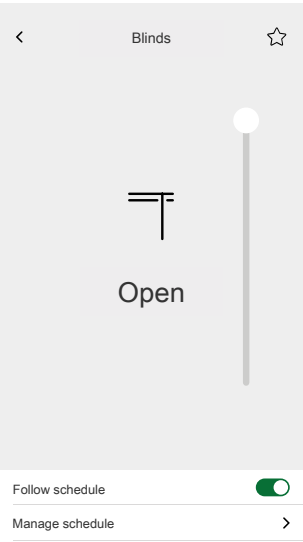
Vertical shutter

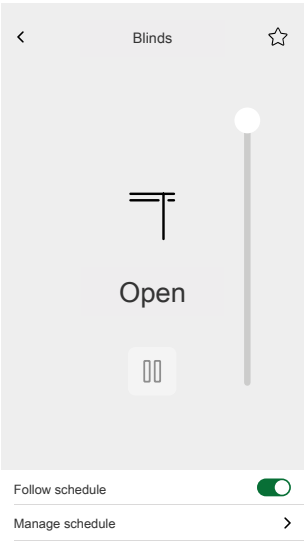
MOBILE APPLICATION

App widget

Use the above optional objects to get additional Up/Down buttons to control the blinds. You can also stop the movement.

Control screens





With optional objects

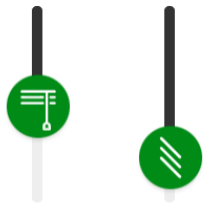
Vertical Shutters With Slats

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields (per channel)	Optional fields
Title	**Slider status wait time (s)**	**Height position** **Status feedback for height**	**Movement object** **Stop object** **Device status object** **Slats position** **Status feedback for slats**

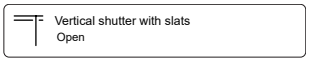
Touch widget



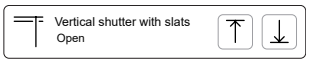
Vertical shutter

MOBILE APPLICATION

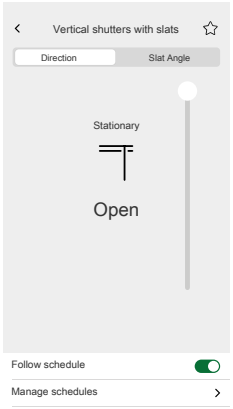
App widget

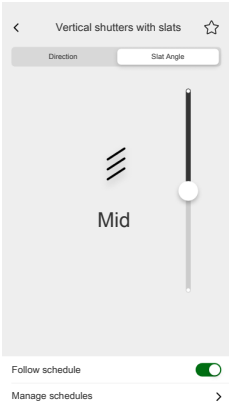


Use the above optional objects to get additional Up/Down buttons to control the shutters. You can also stop the movement.



Control screens





With optional objects

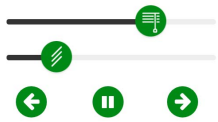
Horizontal Shutters with Slats

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields (per channel)	Optional fields
Title	**Slider status wait time (s)**	**Height position** **Status feedback for height**	**Movement object** **Stop object** **Device status object** **Slats position** **Status feedback for slats**

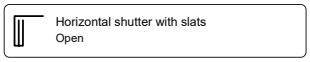
Touch widget



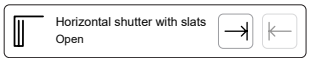
Horizontal shutter

MOBILE APPLICATION

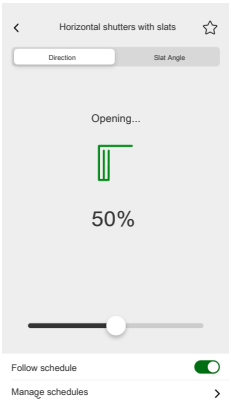
App widget

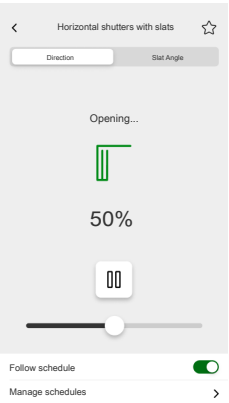


Use the above optional objects to get additional Up/Down buttons to control the shutters. You can also stop the movement.



Control screens





With optional objects

General Switch

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title	**Voice control** (checkbox) **Send fixed value** (checkbox) **Fixed value**	**Switch object** **Status feedback object**	**Device status object**

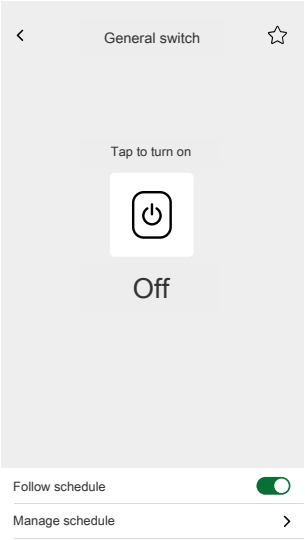
Touch widget

General switch

MOBILE APPLICATION

App widget

Control screen



AC Switch

CONTROLLER

Settings

General	Objects	
Mandatory fields	Mandatory fields	Optional fields
Title	**Switch object** **Status feedback object**	**Device status**

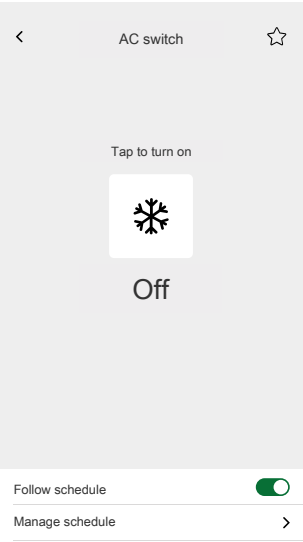
Touch widget

AC switch

MOBILE APPLICATION

App widget

Control screen



Fan Switch

CONTROLLER

Settings

General	Objects	
Mandatory fields	Mandatory fields	Optional fields
Title	**Switch object** **Status feedback object**	**Device status**

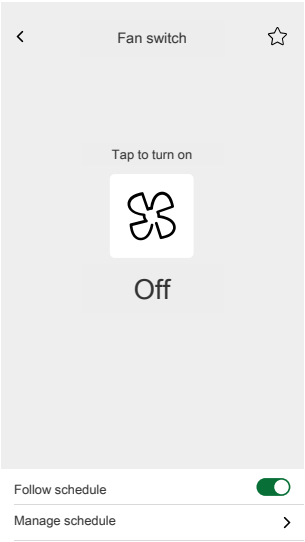
Touch widgets

Fan switch

MOBILE APPLICATION

App widget

Control screen



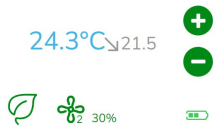
Thermostat with Operation Modes and Fan

CONTROLLER

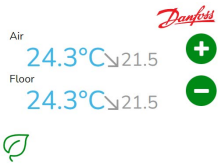
Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title **Setpoint minimum value** **Setpoint maximum value**	**Fan step 1 – 6** **Voice control** (checkbox) **Thermostat title** **Dewpoint alarm title** **Setpoint step**	**Current temperature** **Current setpoint temperature input** **Current setpoint temperature output**	Operation modes **Operation mode input** **Thermostat status, alert** **Thermostat HVAC status** **Heating/Cooling status** **Dewpoint alarm** **Is Active** **Battery level** **Battery alert** **Device status object** **Frost alarm** Fan **Fan speed** **Fan speed status** **Fan manual mode**

Touch widgets



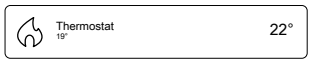
Thermostat



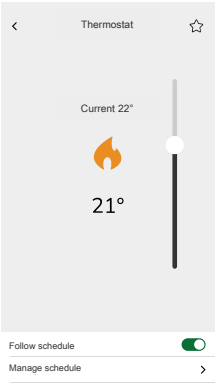
Thermostat Danfoss

MOBILE APPLICATION

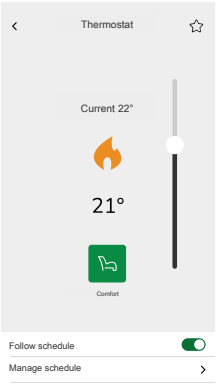
App widget



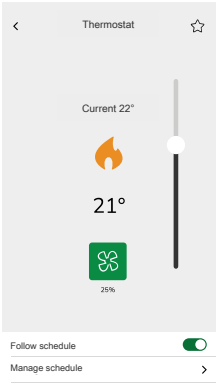
Control screens



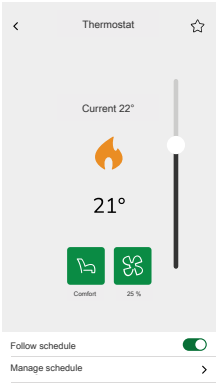
Mandatory fields only



Mode control configured



Fan control configured



Fan and mode control configured

Thermostat for Valve Drive Controller (VDC)

CONTROLLER

Settings

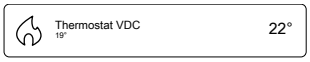
General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title	**Step for shifting** **Setpoint/shifting minimum value** **Setpoint/shifting maximum value** **Voice control** (checkbox) **Thermostat title** **Dewpoint alarm title**	Common for Absolute or Relative **Current temperature** **Current setpoint temperature output** **Current setpoint temperature input (Absolute mode)/basic setpoint (Relative mode)** Specific for Relative **Preset setpoint shifting** **Current setpoint shifting**	Operation modes **Operation mode input** **Thermostat status, alert** **Thermostat HVAC status** **Is active** **Dewpoint alarm** **Frost alarm** Heating/Cooling changeover **Heating/Cooling changeover** **Thermostat status, alert**

Touch widget

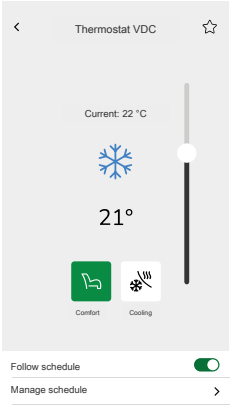
Thermostat VDC

MOBILE APPLICATION

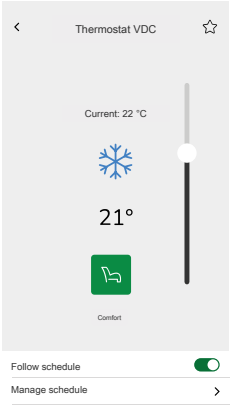
App widget



Control screens



With objects for Absolute value and Operation modes



With objects for Relative value and Operation modes

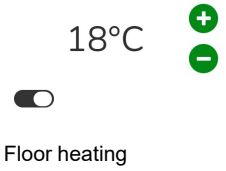
Electric Underfloor Heating

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title **Floor heating title**	**Minimum value** **Maximum value** **Temperature alert threshold** **Temperature alert title** **Setpoint step** **Voice control** (checkbox)	**On/Off object** **On/Off status object** **Temperature object** **Temperature status object**	**Temperature alert object**

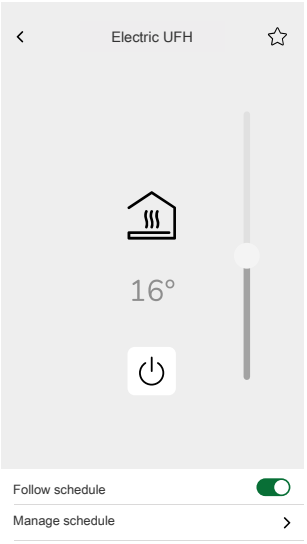
Touch widget



MOBILE APPLICATION

App widget

Control screen



Socket

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields (per channel)	Optional fields
Title	**Socket 1 – 6 Title** **Socket 1 – 6 voice control enabled** checkbox	**Switch object** **Status feedback object**	**Active power** **Device status**

NOTE: Multi-widgets can have different names for each of their loads. In the app, each channel will display as a separate widget with the name assigned. We do not recommend to use multi-widgets. Use single widgets if you want to control from mobile application.

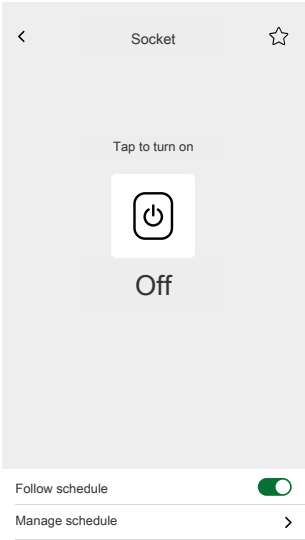
Touch widget

Socket switch

MOBILE APPLICATION

App widget

Control screen



EVlink Pro AC

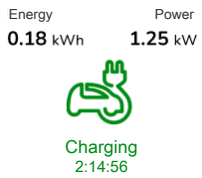
CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title **Equipment type** **Charger type**	**Rooms** **Power limit (A)** **Reverse direction**	**Status** **Consumed on last charge** **Remote command** **Energy** **Power**	**EV state** **Charging set point** **Charging start** **Charging stop** **Transaction time** **Device status**

Status of the charger	Meaning
EVlink Pro AC / Available	EV is unplugged
EVlink Pro AC / Loading	EV is plugged but charging has not started
EVlink Pro AC / Charging	EV is charging
EVlink Pro AC / Paused by EV	Paused by the EV
EVlink Pro AC / Paused by user	Paused by the user or the EV Charger
EVlink Pro AC / Finishing	Charging has been stopped and the EV is still plugged
EVlink Pro AC / Error	An Error has been detected

Touch widget

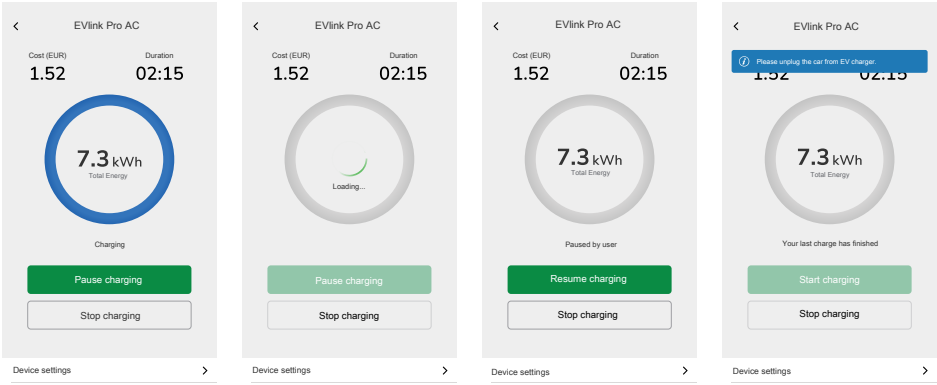


EVlink Pro AC

MOBILE APPLICATION

App widget

Control screens



Important

When charging starts, you can either pause or stop it.

If charging is paused, you can either resume or stop it.

When you pause charging, you cannot disconnect the car from the charger (the cable plug is locked in the charger socket).

If charging is stopped, you have to unplug and plug back the car before charging again.

> **NOTE:** Note: It may take up to 15 minutes to sync information and reset the app charge counter after charging is finished. If you start charging again during this time, it is likely that the counter will take the values from the previous charging as a starting point. The counter starts to display actual values after the charging level exceeds values of the previous session.

General Alarm

CONTROLLER

Settings

General	Objects	
Mandatory fields	Mandatory fields	Optional fields
Title **Alert text**	**Alarm object, alert**	**Device status object** **Battery object** **Battery alert**

Touch widget

General alarm

MOBILE APPLICATION

App widget

Fire/Smoke Alarm

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title	**Alert text**	**Alarm object, alert**	**Device status object** **Battery object** **Battery alert**

Touch widget

Fire alarm

MOBILE APPLICATION

App widget

Control screen

Gas Alarm

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title	**Alert text**	**Alarm object, alert**	**Device status object** **Battery object** **Battery alert**

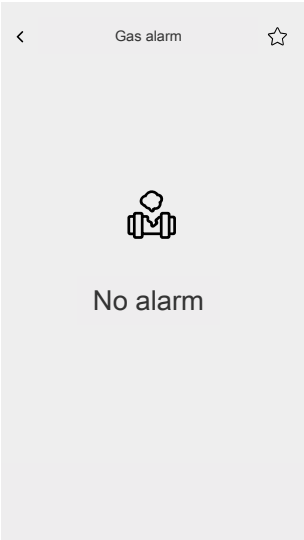
Touch widgets

Gas leak alarm

MOBILE APPLICATION

App widget

Control screen



Water Leak Alarm

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title	**Alert text**	**Alarm object, alert**	**Device status object** **Battery object** **Battery alert**

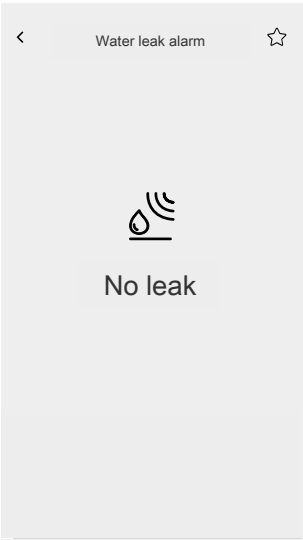
Touch widget

Water leak alarm

MOBILE APPLICATION

App widget

Control screen

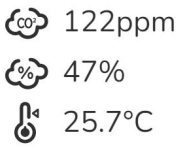


Multi Sensor

Settings

General	Objects	
Mandatory fields	Mandatory fields	Optional fields
Title	At least one is needed: **CO_2 value** **Humidity value** **Temperature value**	**CO_2 threshold 1** **CO_2 threshold 2** **CO_2 threshold 3, alert** **Humidity threshold 1** **Humidity threshold 2** **Humidity threshold 3, alert** **Temperature threshold, alert** **Battery object** **Low battery alert** **Device status object**

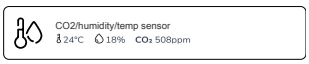
Touch widget



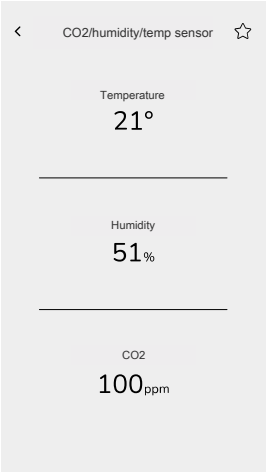
Multi sensor

MOBILE APPLICATION

App widget



Control screen



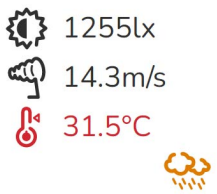
Weather Station

CONTROLLER

Settings

General		Objects	
Mandatory fields	Optional fields	Mandatory fields	Optional fields
Title	**Weather station title** **Wind alarm title** **Temperature alarm title**	At least one is needed: **Brightness value** **Wind speed** **Temperature value**	**Wind threshold, alert** **Temperature threshold, alert** **Rain sensor**

Touch widget



Weather station

MOBILE APPLICATION

App widget

Control screen

Door Sensor

CONTROLLER

Settings

General	Objects	
Mandatory fields	Mandatory fields	Optional fields
Title **Sensor type**	**Detection**	**Battery level** **Low battery level** **Device status object**

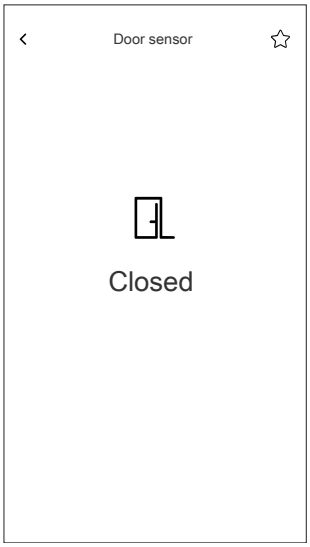
Touch widget

Door sensor

MOBILE APPLICATION

App widget

Control screen



Window Sensor

CONTROLLER

Settings

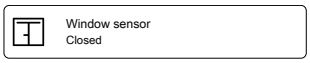
General	Objects	
Mandatory fields	Mandatory fields	Optional fields
Title **Sensor type**	**Detection**	**Battery level** **Low battery level** **Device status object**

Touch widget

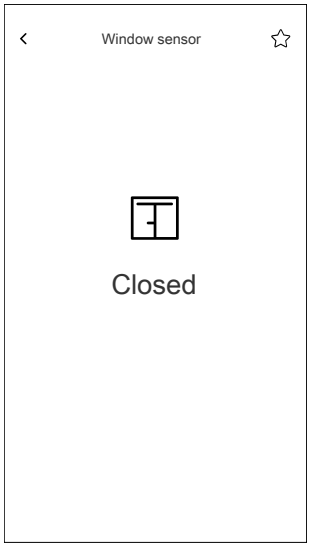
Window sensor

MOBILE APPLICATION

App widget



Control screen



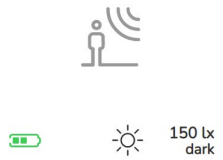
Motion Sensor

CONTROLLER

Settings

General	Objects	
Mandatory fields	Mandatory fields	Optional fields
Title	**Detection** **MOBILE APPLICATION** App widget	**Illuminance (lux)** **Battery level** **Low battery detected** **Alarm notification** **Device status object**

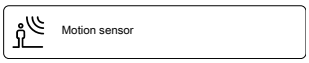
Touch widget



Motion sensor

MOBILE APPLICATION

App widget



Control screen

Scenes

CONTROLLER

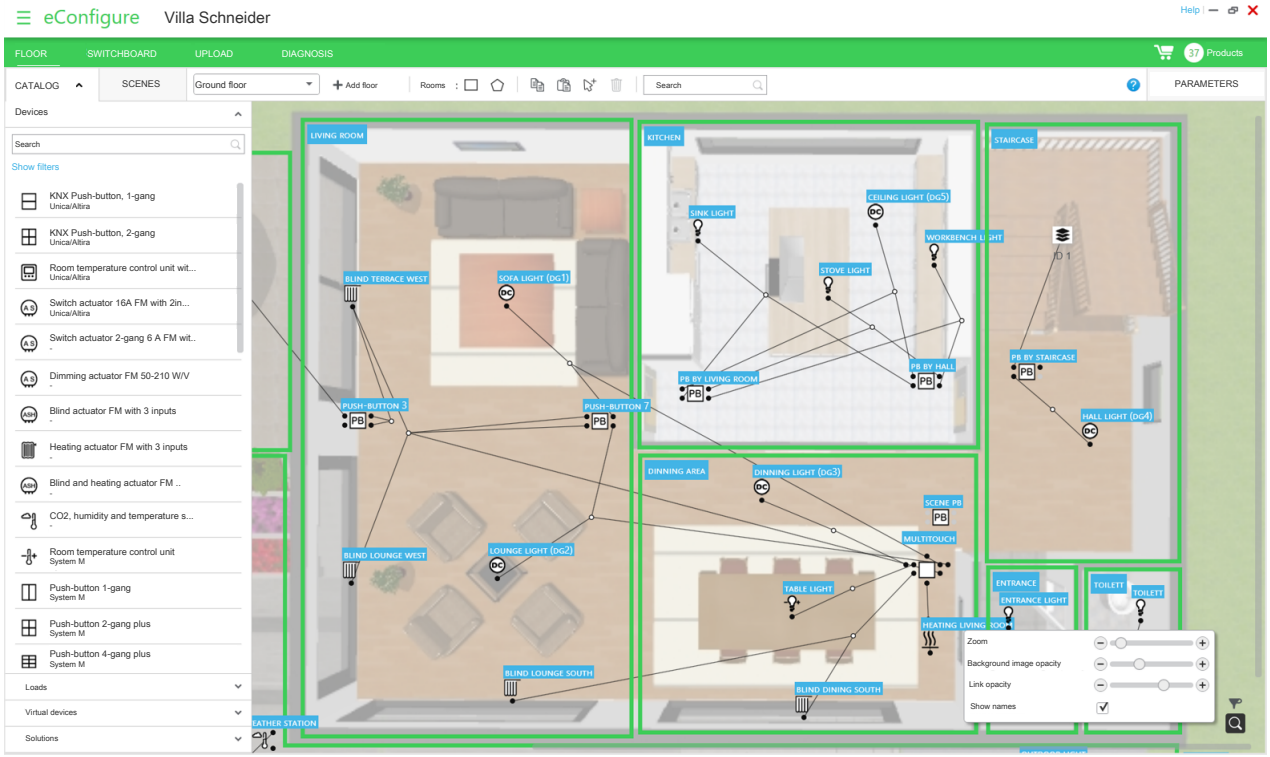
Settings

General		Objects
Mandatory fields	Optional fields	Mandatory fields (per channel)
Title **Scene 1 value (0 – 63)**	**Scene Nr. name** **Scene 2 – 6 value (0 – 63)** **Voice control** (checkbox)	**Scene object**

Touch widget

Scenes

Setting up with eConfigure KNX Commissioning Tool



eConfigure KNX software is a tool for designing, configuring, and maintaining KNX home and building automation systems.

You can use the software at different stages of your project:

- Quotation
- Commissioning
- Maintenance

With eConfigure, you are autonomous in any step of the KNX setup.

There are two versions of the eConfigure software:

- **eConfigure KNX Lite**
  Available for download on https://www.se.com.
  Commercial reference: LSS900100 (https://www.go2se.com/ref=LSS900100)
  You have to purchase a dongle license to be able to log in and commission the devices.
- **eConfigure KNX Expert**
  Available for purchase on https://my.knx.org as a plugin that you add to ETS (official KNX commissioning tool).
  You need a valid license of ETS.

You can find the user guide on how to configure your KNX installation with eConfigure and how to create your Touch visualization in your Wiser for KNX controller needed for the Wiser KNX app here:

https://www.go2se.com/ref=LSS900100.

Installing the Wiser KNX App

iOS

Requires iOS 11.0 and higher.

Search term: Wiser KNX

https://apps.apple.com/us/app/wiser-knx/id1596463690

Android

Requires Android 10.0 or higher

Search item: Wiser KNX

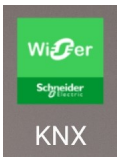
https://play.google.com/store/apps/details?id=com.schneiderelectric.WiserKNX

NOTE: Do not confuse the app with the previous Wiser for KNX app that will be discontinued.

Wiser for KNX app icon

Launching the Application

You have installed the mobile application. The application icon looks like this on your phone:



Tap the app icon and launch the application on your mobile device.

Tap **Get started** and log in (Logging in, page 50).

If you do not have the account yet, tap **Register** (Create Your User Account, page 49).

Application Language

The application language is set automatically according to the language of your mobile device.

The currently supported languages correspond to the official languages of the countries where the app is available.

If your local language is supported, the app displays in your language. Otherwise, the app uses the default language (English).

Create Your User Account

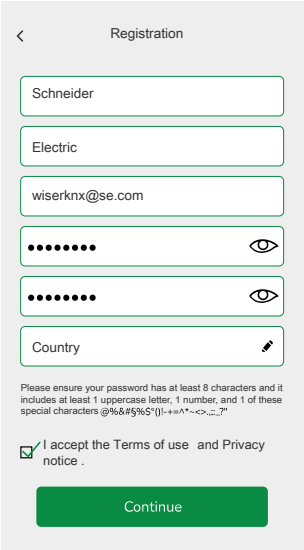
You do not need to register again if you have an existing account for the previous Wiser for KNX mobile app.

Use this account to sign in (as it is already linked with the legacy Wiser for KNX mobile app).

Register if you do not have an account yet:

1. On the welcome screen, tap **Get started.**
2. On the login screen, tap **Register** to create your account.
3. Fill in the **Registration** form.
4. Accept the **Terms and Conditions** and read the **Privacy notice**.

5. Tap **Continue**.



6. An e-mail with a verification link will be sent to your e-mail address. Click the link and verify your account.
   (The link expires in 24 hours.)
7. Return to the application and log in (Logging in, page 50).
8. After your first login, click **Accept** to grant the following access privileges:
   - Wiser KNX Cloud integration with OneSignal Service.
   - Wiser KNX Cloud integration with OpenWeatherMap Service.
   - Wiser KNX Cloud integration with Energy Expert Cloud.
   - By signing in you are authorizing Wiser KNX cloud to access your KNX devices, scenes, and schedules.

Reset or Change Your Password

If you forget your password, you can reset it.

1. While logging in (Logging in, page 50) to your account, tap **Forgot password?**.
2. Enter your email address and tap **Submit**.

You will get an email with a link to reset your password.
The link expires in 24 hours.

If you want to change your password:

1. Tap ⚙ > **Account** > **Change password**.
2. Enter your old password > enter your new password > repeat your new password.
3. Tap **Change password**.

Logging in

Launch the application on your mobile device. The welcome screen appears.

1. Tap **Get started**.
2. On the login screen, enter your e-mail address and password.
3. Tap **Login** to access your account.

After login, you get to the **Welcome to Wiser KNX** screen of the application asking you to pair your controller (Pair Your Controller, page 51).

Pair Your Controller

After registering (Create Your User Account, page 49) and login (Logging in, page 50) for the first time, a welcome screen appears asking you to pair your controller.

NOTE: If you have an existing account and your controller is already paired to it, you can skip this section.

Pair your controller as follows:

1. Tap ⊕.
2. Make sure your controller is powered and wired, and your phone is connected to the same network.
3. Tap **Next**.
4. Go to your controller > install the latest firmware available on https://www.se.com (Firmware Update, page 11).

   NOTE: This firmware includes the required applications from the Marketplace (Cloud connector, KNX IoT 3rd party API, and Touch visualization).

5. Enable both the Cloud connector and KNX IoT 3rd party API applications.

   NOTE: It is recommended having the automatic updates for these apps enabled.

6. Make sure you have:
   - Existing widget-based Touch visualization created in your controller with all the devices organized in Rooms (Creating Touch 3 Visualization, page 15).
   - All the devices group objects properly configured in their widgets.

7. Reboot your controller and tap **Next** in the mobile application.
8. In the mobile application, tap **Search for the controller** and proceed as follows:
   - Tap the one controller you want to pair from the list of available controllers. The pairing will start automatically.
   - Tap **Enter manually** > enter the IP or MAC address of your controller > tap **Pair**.

   NOTE: Instead of searching for your controller, you can pair the controller by scanning its QR code.
   If scanning the QR code fails, you can enter the MAC address manually.

9. Name your controller after pairing and tap **Next**.
10. Enter your address or search for it on the map. Tap **Next**.
11. Check or correct your data > tap **Submit**.
12. Enable the weather station info on your Home screen.

NOTE: The application pairs the address with your controller.
Your address will be used to determine the local weather.

Your controller is paired and set up. It appears at the top of the application Home page.

If you want to pair another controller later, go to Home screen, tap ⚙ > **Home Management** > **Pair new controller** and follow the wizard.

Settings

Tap ⚙ at the top right of your Home screen (Home Screen, page 62).

You get to the **Settings** screen.

The **Settings** section allows you to manage/view:

Account	**User profile**
	Change password (Reset or Change Your Password, page 50)
	Delete my account (Delete Your Account, page 53)
	Logout (Logging out, page 54)
Tariff (Tariff, page 54)	**Electricity**
Rooms (Rooms, page 56)	
Devices (Devices, page 57)	
Notifications (Notifications, page 59)	**Enable notification**
	Alarms
	Devices
Home Management (Home Management, page 60)	
Home Screen (Home Screen, page 62)	**Show Moments**
	Weather panel
Support	
About	

Account

Change Password

See Reset or Change Your Password, page 50.

Delete Your Account

To delete your account, follow these steps:

1. Tap ⚙ > **Account** > **Delete my account**.

2. Read carefully what deleting an account means:

   - You will no longer have access to your app and you will not be able to use the voice control feature.
   - You will still be able to use your controller and access it through any web browser while you are at home (on local network).
   - All the schedules, scenes, and any logic your created will keep on working as they are stored locally in your controller.
   - The KNX devices in your installation will keep working as usually.
   - Once you delete your account, you will be automatically logged out of the app and will be unable to log back in.
   - If you change your mind and you want to recreate your account, you will need to register again in the app.
   - You will not be able to re-gain access to your old data (data will be deleted forever).

3. If you still want to proceed, tap **Delete my account** and **OK** to confirm.

   NOTE: Deleting an account cannot be undone.

Logging out

If you want to log out of the mobile application, tap ⚙ at the top right of the Home screen (Home Screen, page 62) > **Account** > **Logout** > **Confirm**.

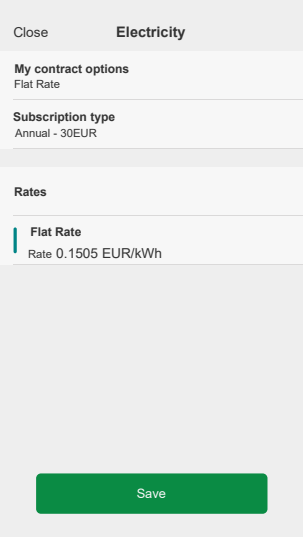
Tariff

The **Tariff** section is visible only if you have enabled the **Energy** section of the Wiser KNX app (as explained here Wiser KNX Home Energy Management System (HEMS), page 75).

In the **Tariff** section, you set the terms and price for the consumed electricity according to the contract with your supplier.

This data is further used by Schneider cloud service, which generates an overview of the consumption and price of electricity over time (history).

To access the **Tariff** section, tap ⚙ > **Tariff** (> **Electricity**).



The first time you open the **Tariff** section, a step-by-step tutorial will appear to guide you through the functions and settings of the **Tariff** section.

You can also open the tutorial later by clicking ? at the top right of the screen.

My Contract Options

To track your energy consumption costs, start by choosing the type of contract you have with your supplier.

On the **Electricity** screen, under **My contract options**, tap one of the three types of contract at the bottom:

- **Flat rate**
- **No contract** (set by default)

If you choose **Flat rate**, you have to specify the type of subscription and rates (see Subscription Type, page 55 and Rates, page 55).

Subscription Type

The subscription type defines the interval and amount of payments in EUR according to your contract with the electricity supplier.

The **Subscription Type** option is available on the **Electricity** screen if you choose **Flat rate** contract (see My Contract Options, page 55).

Example:

Your contract states a monthly advance payment of a certain amount in EUR.

1. In the **Tariff** > **Electricity** > **Subscription Type**, check the **Monthly** interval and type the amount of money from your contract in the **Subscription price** field.
2. Tap **Save**.

Rates

To track electricity costs over time, set a rate value per unit of electricity (kWh).

Based on the entered data, the application creates graphs of the cost of electricity over time (see Insights, page 73).

Flat rate

If you choose **Flat rate** as the contract type (My Contract Options, page 55), set the amount charged per kWh, as follows:

In the **Tariff** > **Electricity**, tap **Flat Rate** > enter the amount per kWh > tap **Save**.

NOTE: Rate you set will appear in the rate list on the **Electricity** screen. You can edit it from there:
Tap > edit your rate > tap **Update**.

Rooms

In **Rooms** section, you can set the order and names of the rooms in your home.

Tap at the top right of the home screen > tap **Rooms** to see all your rooms in a condensed list.

If you tap , you can reorder your rooms – drag and drop.

Room Details

In the **Room details** screen, you can rename rooms and devices assigned to rooms.

If you want to change the name of your room, follow these steps:

1. Navigate to the room details: > **Rooms** > tap your room.
2. Tap next to your room name.
3. Enter a new name.
4. Tap **Enter** on the virtual keyboard.

If you want to change the names of devices assigned to your room, do the following:

1. Navigate to the room details: > **Rooms** > tap your room.
2. On the **Room details** screen, tap the device you want to rename > type the new name > tap **Save**.

Reorder Rooms on Your Home Screen

By default, rooms on the home screen are displayed in the following order (left to right):

1. Favorites
2. All
3. Rooms in alphabetical order

If you want to reorder Rooms, do the following:

1. On the Home screen at the end of the Room list, tap • • • .

2. If you tap , you can reorder your rooms – drag and drop.

Devices

Tap at the top right of the Home screen (Home Screen, page 62). You get to the **Settings** screen.

1. Tap **Devices** to see a list of all installed devices of your home, sorted by their type.

   The devices also display their name and, if applies, other information, e.g. the charge level of the battery.
2. You can rename your devices: Tap your device > enter a new name > click **Save**.

Supported Widgets

Name	Widget	Control screen function	Control screen settings
Light switch		On/Off	Follow/Manage Schedule
Dimmer		On (percentage)/Off	Follow/Manage Schedule
Dali dimmer		On (percentage)/Off	Follow/Manage Schedule
RGB & RGBW Light		Light On (select color)/Off Color On/Off White On/Off	Follow/Manage Schedule
Vertical blinds		Open (percentage)/Close	Follow/Manage Schedule
Vertical venetian blinds with slat angle		Open (percentage)/Close Open/Close slats	Follow/Manage Schedule
Horizontal blinds		Open (percentage)/Close	Follow/Manage Schedule
Horizontal blinds – Reverse		Open (percentage)/Close	Follow/Manage Schedule
Horizontal venetian blinds with slat angle		Open (percentage)/Close Open/Close slats	Follow/Manage Schedule
Horizontal venetian blinds with slat angle – Reverse		Open (percentage)/Close Open/Close slats	Follow/Manage Schedule
Socket		Start/Stop/Resume charging	Device settings
EVlink Pro AC		On/Off	Charge now
AC		On/Off	Follow/Manage Schedule
General Switch		On/Off	Follow/Manage Schedule
Fan Switch		On/Off	Follow/Manage schedule
Thermostat		Temperature level Preset mode Fan speed	Follow/Manage Schedule
Electric UFH		On/Off Temperature level	Follow/Manage Schedule
Motion Sensor		Motion detection (Occupied/ Unoccupied)	Settings
Water Leakage Sensor		On/Off	
Multiple Sensors		Temperature, Humidity, CO_2 values	
Gas leak (water leak)		On/Off	
Weather Station		Temperature level	

Name	Widget	Control screen function	Control screen settings
		Wind speed Brightness level Rain sensor	
Fire/Smoke Alarm		On/Off	
General alarm		On/Off	

The following widgets are not supported in the app:

- Widget creator (most functions are covered by one of the supported widgets)
- Somfy garage, Somfy motors, Somfy shades
- Danfoss
- Music, Sonos, Revox
- Chart creator
- Video
- Content
- Info 1
- Info 2
- Text notification
- Gauge

Notifications

On the **Notifications** screen, you can enable notifications and alarms.

There are three setting options:

- **Enable notifications** – swipe-toggle to enable or disable notifications. If you disable notifications, you will not receive any notifications from the controller (alarms) or Schneider notifications (e.g. cloud outage).
- **Alarms** – swipe-toggle to enable or disable alarms
- **Devices** – set notifications for the devices: alarms and events (low/critical battery level).

  NOTE: Enabling/disabling notifications is related to the user's phone, not the controller. The notification settings of one user do not affect the other user's notification settings.

You can set notifications for individual devices as follows:

1. Tap > **Notifications** > **Devices** > select your controller from the **Home management** list.

   NOTE: The name of the specific controller that sent the notification is displayed in the text of the notification.
2. Choose for which device types you want to enable push notifications.
3. Scroll down and enable/disable battery level notification for your devices (**Critical battery level** and **Low battery level** swipe-toggle).

Notification information displays on the **Message center** screen.

New messages are indicated by icon at the top right of the Home screen.

1. Tap and the **Message center** screen with the list of notifications opens.

   NOTE: Only the last notification display for the device enabled to trigger notifications. Once the new notification arrives from your device, it replaces the previous one.

2. Select the controller for which you want to display notifications (tap **All controllers** or **Current controller**)

Delete notifications: Swipe your notification left > tap to confirm.

Home Management

You can have more than one home linked to your app account and you can add additional accounts of other people so they can access your home.

For example:

- Second residence:
  If you have a second home and you want to avoid having different accounts to access it (Adding New Home, page 60).
- Family sharing:
  Each family member can create an account so the parent does not have to share their credentials (Enable Access to Your Home, page 61).
- Remote maintenance:
  Homeowners can enable permanent or time-limited remote access (Enable Access to Your Home, page 61).

There are two options ho to access the **Home Management** section:

1. Tap > **Home Management** > select the home you want to manage.
2. On the **Home** screen, tap your home name at the top center of your screen > select from your homes or tap **Home Management**.

If you tap on your home in the **Home Management** section, you can:

- Edit your home name:
  Tap your home > tap > edit the name > tap **Confirm**.
- Edit the address:
  Tap your home > tap **Home address** > type the address > tap **Next** > tap **Submit**.
- Remove home from your account:
  Tap your home > tap **Remove Home** > **Confirm**.
- Manage access:
  Tap your home > tap **Manage access** > select the access request you want to manage > edit parameters (**Role**, **Access period**, **Remove access**) > tap **Update access**/**Remove access**.

Adding New Home

To add a new home, do the following:

Tap > **Home Management** > tap > **Add new home** > follow the steps described in Pair Your Controller, page 51. A step-by-step wizard guides you through the process.

Once you add your new home, it displays in the **Home Management** section (there is the list of all homes that you have added to your account).

You can add as many homes as you like. There is no limit on the number.

Enable Access to Your Home

Here is what to do when you want to give someone else access to your home:

1. The person you want to invite to your home must have a user account created in the mobile application.
   They have to follow the steps described in Create Your User Account, page 49.
2. You, as the homeowner: In the mobile application, tap ⚙ > tap **Home Management** > tap your home > tap **Manage access** > tap ⊕.
3. In the **Share home** form, fill in the email address of the person, define the access role and the access period > tap **Confirm**.

NOTE: Make sure the e-mail address you enter in the **Share home** form is the same as the e-mail address that the person entered when registering their account in the mobile application.

When access to an existing home has been granted/revoked, the requester receives an email notification.

Home Screen

The Home screen provides an overview of all the devices of your home.

On the Home screen you can view the status of devices, as well as control your devices quickly.

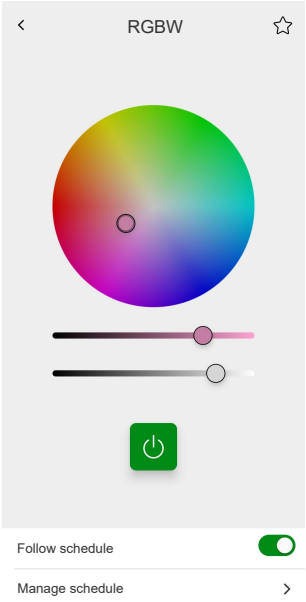
Overview of the elements on the Home screen:

Weather panel	Weather Location Humidity Wind speed Temperature Time of the sunrise and sunset
Moments	Tap the moment tile to trigger the Moment without having to navigate to the Automations screen. You enable the display of Moments on the Home screen in the Settings section.
Favorites	Displays items that you have marked as favorites.
All	List of all rooms with the devices
Rooms – quick access	Rooms and devices management. Drag to scroll through the rooms and their devices.
Home screen icon	Tap to show the Home screen
Automations	Tap to navigate to the Automations screen, where you can set up Moments and Automations.
Message center	Tap to see device notifications and system messages.
Energy	Tap to manage and monitor the consumption and use of energy from the various sources available in your home.
Settings	Account Tariff Rooms Devices Home management Home screen Support About

Device Control Screen

On the device control screen, you can see the status of your device (e.g., On/Off) and you can change the status.

You can add your device to **Favorites** (Add to Favorites, page 63) and manage its **Schedules** (**Schedules**, page 64).



Add to Favorites

You can mark devices as favorites and access them directly from the Home screen in the **Favorites** section.

1. Find the device you want to mark as a favorite.
2. Tap on your device and open its control screen (Device Control Screen, page 62).
3. On the device control screen, tap ☆ at the top right.

The device appears in the **Favorites** section on the Home screen.

Weather Panel

You enable the **Weather Panel** during the final step of the registration process (Create Your User Account, page 49) or in the **Settings**.

The **Weather Panel** displays weather data at the address you enter in the **Home Management** section (Home Management, page 60).

To view the weather information on your Home page, follow these steps:

1. Tap ⚙ > **Home screen** > **Weather Panel** > enable **Show Weather Panel**.
2. Tap **Temperature units** and select °C or °F.
3. If you have a weather station (or more than one) in your KNX installation linked to a widget in your Touch visualization, you can select it here. Enable **Use weather station information** and select your weather station.

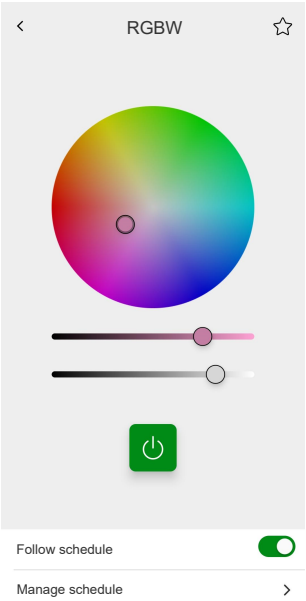
NOTE: Enable the weather information from your weather station in the installation, and the application replaces the data from an Internet weather service provider with the data provided by your weather station.

Schedules

You can set up **schedules** to set times when a device changes state.

Schedules are created and edited from your device control screen.

Tap **Manage schedules** at the bottom of the device control screen to navigate to the list of **schedules** of your device.



List of Schedules

Once you create your **schedule**, it automatically appears in the **schedule** list of the particular device.

1. Tap your device.
2. Tap **Manage schedules** on your device control screen. The **Schedule** list screen opens.

Each item displays basic **schedule** information and has easy toggle access to switch it On/Off.

If you want to add a new **schedule**, tap (see chapter Add **Schedules**, page 64).

Add Schedules

1. On the device control screen (Device Control Screen, page 62), tap **Manage schedule**.
2. Tap down-right to add new **schedule**.
3. Enter a name in the text field, add a note, and set a time period: yearly, monthly, daily.

4. Set the device state (On/Off, Open/Close).

   NOTE: Schedules apply to single devices only. If you want to trigger multiple devices at a time, then create an **Automation**.

5. You can activate your **schedule** immediately. Swipe-toggle **Activate schedule**.

   NOTE: You can activate or deactivate your **schedules** later as needed.

6. Tap **Create** and your new **schedule** appears on the device **schedules** screen.

Edit and Delete Schedules

1. In the list of **schedules** (List of **Schedules**, page 64) of your device, tap the one you want to edit or delete.
2. Tap ✎ of each parameter of your **schedule** and edit.
3. Tap **Update**.
4. Or tap **Delete schedule** to delete your **schedule**.

Moments

Create a **moment** to change the state of several devices with the one tap.

Moments are created and edited in the **Automations** section.

1. On the Home screen (Home Screen, page 62), tap .
2. Select the **Moments** tab.

NOTE: A **moment** will only set the status of devices. In order to put the affected devices in another status, you need to change it manually or create a reversing **moment**.

Types of Moments

There are three types of **moments** in the app:

Type of moments	Parameters	Editable in the app	Display
KNX **Scenes**	• Created in ETS or eConfigure. • Linked to scene widget in Touch visualization. • Displayed, controllable, located in the **Moments** screen in the **Automations** tab.	No • No icons or edit options in the app. • Editable in ETS or eConfigure.	All lights off
W4K **Scenes**	• Created in the controller (using **Configurator**). • Centralized. • Mapping exists only between scene actions and KNX group objects. • Logic is evaluated in the controller.	No	Living room Shutters down Tap to display controller **scenes** in the app (green icon). Tap to hide controller **scenes** in the app (black icon). **NOTE:** The house icon is displayed even if no controller scenes are available. It is just not functional.
Moments	• Created in mobile app. • Composed of devices. • Stored and evaluated in the controller.	Yes • Custom icon and edit options displayed. • You can create and edit them in the app.	Movie Night

Add Moments

1. On the Home screen (Home Screen, page 62), tap > tap at the bottom right of the **Moments** tab to open the **moment** creator.
2. Name your **moment** and assign it an icon.
3. Tap **Add actions** and select the devices you want to add to your **moment** > tap **Done**.

4. Tap on each device in your action list and set its behavior (for example, plugs on, lights off, heating at 21 degrees) on the control screen.
5. Tap **Set** at the top right of the device control screen.

   Repeat for all devices.

   NOTE: All devices are in their current state.
6. Once you have set the properties of your **moment**, tap **Save** in the **moment** creator.

   You can add any device in your home. For your convenience, you can also filter the devices by room.

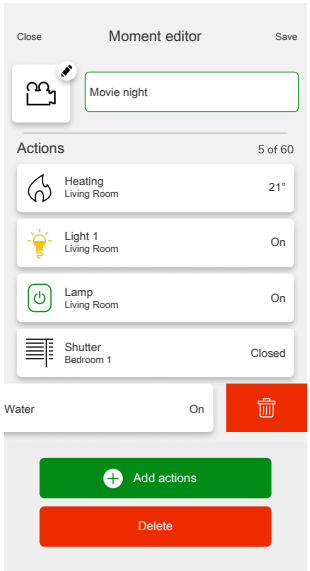
Activate Moments

Activate your moments from the Home screen (Home Screen, page 62), **Automations** section ( ) or via your voice assistant.

Edit Moments

Go to the **Automations** screen ( ) > **Moments**:

1. Tap in the **moment** tile.
2. You can:
   - Change the icon of your **moment**.
   - Change the name.
   - Change the desired state of a device (tap the device to open the device control screen).
   - Add more devices to the **moment** (tap **Add actions**).
   - Remove a device from the **moment** (swipe the device left and tap).



3. Tap **Save** to save the changes to your **moment**.

Delete Moments

Go to the **Automations** screen ( ) > **Moments**:

1. Tap in the **moment** tile.
2. Tap **Delete**.

The deleted **moment** will no longer appear in the list of **moments** in the **Automations** section on the **Moments** tab.

Control Moments from Your Home screen

If you want to control **moments** directly from your Home screen, turn on the **Show Moments** feature:

Tap > **Home screen** > enable **Show Moments**.

All the **moment** tiles display now on the Home screen. You can scroll through them and turn them on.

NOTE: Moments cannot be edited or deleted from the home page (Edit **Moments**, page 67, Delete **Moments**, page 68).

Automations

Automations trigger devices automatically, if the conditions you define are met.

Examples:

- If it is sunrise, open my living room blinds.
- If a motion is detected on weekends between 9:00 and 17:00, do not switch on the lights.

You can create and edit your automations in the **Automations** section.

Home screen (Home Screen, page 62) > tap > select the **Automations** tab.

NOTE: In a future release of the app, you will be able to send specific Push notifications linked to the automation.

Create Automations

1. On the Home screen (Home Screen, page 62), tap > **Automations** > at the bottom right of the **Automations** tab to open the automation creator.
2. Name your automation and assign it an icon.
3. In the next step, add a condition (Add Conditions – If, page 69), period (Add Period – When, page 70), and action (Add Actions – Then, page 71) to your automation.
4. Tap **Save** in the top right of the automation creator.

Your new automation appears on the list in the **Automations** tab.

You can turn your automations off and on, edit (Edit Automations, page 71) or delete them (Delete Automations, page 71) in the **Automations** tab.

NOTE: Make sure the combination of conditions (**If**), periods (**When**), and actions (**Then**) are physically possible and do not go against each other.

Add Conditions – If

Add a condition that triggers your automation.

There are three types of conditions:

Device status change or action	Examples: • If motion is detected • If the living room light is switched on	
Specific time of the day If you want to define a specific time when the actions take place. **NOTE:** Sunset and sunrise based automations use the location data from the controller. There may be a slight time difference compared to the sunrise and sunset times shown in the app (as those are taken using different algorithms from the online service provider).	Sunrise	• If sunrise starts. • It is possible to select a period before or after the sunrise starts (up to 12 hours).
	Sunset	• If sunset starts. • It is possible to select a period before or after the sunset starts (up to 12 hours).
	Custom	Define the specific time of the day (hh:mm) and select days of the week.

Weather changes	You can define a weather type as a trigger.	
Energy device value change Depending on the device, you can select different triggers.	Current power	• Imported instant power • Exported instant power
	Battery used	• More than • Exactly • Less than

You set the **If** condition for starting the automation as follows:

1. In the automation creator, tap **If** > tap **Add condition** and select the trigger to activate your automation:
   - **Device status change** > select your device and set up its status > tap **Set**.
   - **Specific time of day** > choose a start time and repeat period > tap **Next**.

   You get back to the automation creator main screen.
2. Select the conditions under which the automation realizes:
   - Only if ALL conditions are met: Tick **All conditions**.
   - If ANY condition is met: Tick **Any condition**.

   NOTE: You can add several conditions. We recommend up to 20.
3. In the next step, select a period when the conditions apply.

NOTE: In a future release, you will be able to set conditions based on the weather (temperature, humidity, wind speed, etc.)

Add Period – When

Select a period when the conditions apply. If no period is selected, the condition will apply every day.

For example:

If you want a motion sensor detection to trigger an action, but ONLY during weekdays while you are out of the house, you have to define this period in the **When**.

There are 4 types of periods:

1. **All day**: 24 hours.
2. **Daytime**:
   - From sunrise to sunset.
   - It is possible to select a period before or after the sunrise/sunset starts (up to 12 hours).
3. **Night time**:
   - From sunset to sunrise.
   - It is possible to select a period before or after the sunset/sunrise starts (up to 12 hours).
4. **Custom**: Define a period of time – start and end time.

In the automation creator, tap **When** > **Add period** > **Period** > select a start time and repeat period (days of the week) > tap **Next**.

You get back to the automation creator main screen.

NOTE: You can add different periods to the same automation.

In the next step, select an action that works best for your automation.

Add Actions – Then

Select one or more actions for your automation. We recommend defining up to 20.

You can also set delays between them.

There are 4 types of actions:

- Run the device
- Add a delay
- Moment
- Send notification

In the automation creator, tap **Then** tab > **Add an action** > select:

- **Run the device** > select your device > tap **Set delay** > select the time of your delay > tap **Save** > tap **Set**.
- **Add a Delay**: In the device control screen, tap **Set delay** > define a delay (mm:ss) > tap **Save**.
- **Moment** > select from the list of moments > tap **Done**.
- **Send notification** > tap **Notify me**. (You will receive a push notification when your automation is triggered.)

  NOTE: You have to previously enable receiving **Notifications** (⚙ > **Notifications** > swipe-toggle **Enable notifications** to enable notifications).

You get back to the automation creator main screen.

NOTE: In a future release of the app, you will be able to send specific push notifications linked to the automation.

Edit Automations

Go to the **Automations** screen ( ) > **Automations**:

1. Tap your automation to open it in the automation editor.
2. Edit your automation as described in Add Conditions – If, page 69, Add Period – When, page 70, and Add Actions – Then, page 71.
3. Tap **Save** to save the changes to your automation.

Delete Automations

Go to the **Automations** screen ( ) > **Automations**:

1. Tap your automation.
2. Tap **Delete**.

The deleted automation will no longer appear in the list of automations in the **Automations** section on the **Automations** tab.

Energy

In the **Energy** section, you can manage and monitor the consumption and use of energy from the various sources available in your home.

To use the **Energy** section of the app, you have to download a special **Energy** plugin to your controller. Learn more about un/installing the **Energy** plugin, and energy data mapping of individual devices in Wiser KNX Home Energy Management System (HEMS), page 75.

Tap on the sheet at the bottom right. You get to the **Energy** management section with **Live**, **History**, and **Insights** tabs.

The first time you open the **Energy** section, a step-by-step tutorial will appear to guide you through the functions and settings of the **Energy** section.

You can also open the tutorial later by clicking at the top right of the screen.

Important:

The **Energy** section will only be displayed in your app when you have configured at least the **GRID** and a minimum of one additional load in the **Energy** plugin.

Live Tab

In the **Live** tab, you can monitor current energy consumption of your installation, household appliances, and other monitored devices.

The power flow displays as ring with the total power consumption of your house (in Watts).

On top, you can see the different energy sources depending on your configuration and how much energy each one is consuming or producing:

Each energy source has its own color:

- **Grid** – blue
- **Battery** – dark grey
- **Solar panels** – light green
- **The energy sold to the grid** – dark green

Below the power flow, you can see three household appliances with current highest consumption in Watts.

The consumption of the rest of the loads is displayed cumulatively as **Other loads**.

Further below, you can see tiles with the energy information of the current day (depending on your configuration):

- **Total consumption (kWh)**: Total energy consumed in your installation.

  NOTE: Battery charging is excluded from house consumption.
- **Solar production (Wh)**: The amount of energy your solar panels have produced.

  NOTE: Solar production = Solar panels production + Battery discharge - Battery charge
- **Self sufficiency (%)**: The **Total consumption** covered by your solar system production.
- **(%) of production used**: The **Solar production** consumed in your installation.

At the bottom of the screen, there is a graph showing your home energy consumption per hour:

- The energy provided by the **grid** in blue
- The energy provided by the **photovoltaic** in green

History

The **History** tab provides data on power consumption and power sources over time.

You can view two types of graphs:

- Energy sources: Energy consumption by sources:
  - battery
  - solar energy
  - grid
  - energy sold to the grid
- Load consumption: Energy consumption of household appliances.

Tap in the upper right to switch between graphs.

Tap and set the period for which you want to display the graph (hours, days, months, years).

When you tap on columns in the graph you can see below the consumption for the relevant time unit (hour, day, month, year) divided by energy sources or appliances in your home.

By taping the tiles, you can hide or show devices or energy sources in the graph columns.

Insights

The Insights tab displays energy costs over time and information about your home carbon impact.

This feature is currently available only for Germany.

My Annual Bill

In **My annual bill** section, you can see your accumulated energy consumed throughout the year. Once you have set up your **Energy** plugin in your controller and you have defined your energy tariff in the Wiser KNX app (see more in Tariff, page 54).

In the **Energy Costs** section, you can check your energy costs per days, months, and years and you can see the split between your subscription fixed price and the energy costs of that period.

My Carbon Impact

In **My carbon impact**, you can see the total amount of CO_2 your installation has generated since the initial setup of your **Energy** plugin.

On the **Carbon impact breakdown** screen, you can also filter per days, months, and years and see your CO_2 emission during those periods.

NOTE: My carbon impact is currently only available in Germany. In the future, the feature will be available in other countries too.

Wiser KNX Home Energy Management System (HEMS)

This chapter guides an installer through the setup of Wiser for KNX controller (further referenced as the controller) to enable energy monitoring in Wiser KNX mobile application (further referenced as the mobile application). It requires a system integrator or an installer to know the general setup of the controller which involves device commissioning and KNX objects management.

Wiser KNX application and its energy management provide information about house consumption, produced solar energy, actual power flow, etc. It can also give insights into energy costs and CO_2 impact.

Required settings and installations:

1. Energy monitoring devices, as described below have to be installed, connected to the controller and commissioned:
   - **Modbus or KNX Energy meters**, such as Schneider's KNX Energy Meter REG-K/3x230V/16A (MTN6600-0603), Schneider's iEM3150 energy meter - 63 A - Modbus (A9MEM3150) or iEM3155 energy meter - 63 A - Modbus (A9MEM3155).
   - **Power Tag Link and A9 Power Tags**, such as Acti9 PowerTag Link - Wireless to Modbus TCP/IP Concentrator (A9XMWD20) or Acti9 PowerTag Link HD - Wireless to Modbus TCP/IP Concentrator (A9XMWD100) and Power Tags: A9MEM1521, A9MEM154, A9MEM1561, etc. Find out more on how to create a Modbus profile in the controller user guide here: https://www.se.com/ww/en/product/LSS100100/wiser-for-knx-logic-controller/.
   - **KNX actuators with current detection**, such as Switch actuator REG-K/4x230/16 w (MTN647595), Switch actuator REG-K/8x230/16 w (MTN647895) or Switch actuator REG-K/12x230/16 (MTN648493).
   - **Modbus Solar inverters** - Currently supported: Kostal Plenticore and Solax X3 G4. More info available here: Supported Solar Inverters, page 87.
   - Other devices with energy monitoring options supported by KNX and/or the controller. E.g, smart plug, smart socket.
2. The **Energy** plugin has to be installed and configured. It is available in the controller's **Marketplace**, designed to map the energy data from the devices described above.
3. Wiser KNX mobile application installed on your mobile phone (latest version available in the Google Playstore and Apple Appstore) and the valid account linked with the controller.
4. In the Wiser KNX mobile application, you have to set your controller location (see more in Home Management, page 60).

Energy Groups

In a residential house, there are various energy sources and appliances as follows:

- Grid

Grid is the entrance point of the public electrical energy distribution network to the house. The house consumes energy from the grid. It can also deliver electrical energy to the grid if the solar system is installed.

- Solar panels

It is a photovoltaic energy source. An inverter has to be connected to the solar panels to transform the generated energy and transmit it to the house. The

inverter also provides information about the amount of energy generated by the panels.

- Battery

Battery is the energy storage to keep solar energy for later use. It is usually connected to the inverter that manages the charging and discharging of the battery and delivers information about the charged and discharged energy.

- Electrical appliances

Electrical appliance is any household device that consumes energy to meet its purpose, e.g., a washing machine, a boiler, etc.

Energy Plugin Installation/Update

You have to install the **Energy** plugin to the controller before the start of energy data mapping.

Install as follows:

1. In your web browser, open your controller environment > click the cart icon to open Marketplace.
2. Search for the **Energy** plugin > click next to the plugin > click **Yes** to install it.
3. When the plugin icon appears on the home page of your controller, the installation is finished.

Follow the same procedure when updating your **Energy** plugin.

Mapping Energy Data to Energy Groups

Once the **Energy** plugin is installed in the controller, the energy data need to be mapped to the energy groups to get them visible in the mobile application.
See more in Energy Plugin Installation/Update, page 76.

Back up your system after the configuration of all required equipment items.

Back up after each energy configuration update.

Important:

The **Energy** section will only be displayed in your app when you have configured at least the **GRID** and a minimum of one additional load in the **Energy** plugin.

Grid

You have to map the grid, as off-grid solar installations are not supported.

It is necessary for the following monitoring:

1. Energy consumed from the grid.
2. Energy delivered to the Grid if there are solar panels in the house. Various insights are calculated based on these data.

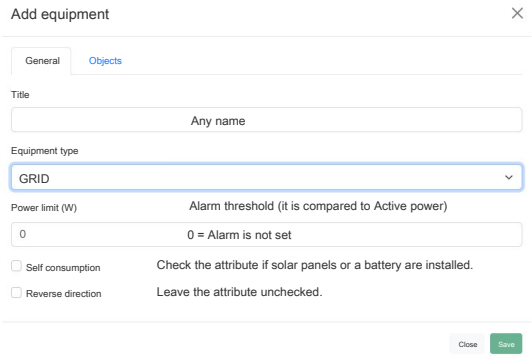
A device providing the grid energy data has to be connected to the controller, commissioned, and the following KNX objects provided:

- Active power: It is the actual power consumed or generated by house (if solar panels are installed).
  Assign this KNX object **unit** with **W** or **kW**.
- Active energy produced by the grid (energy taken from the grid): It is the total cumulative energy consumed by the house.
  Assign this KNX object **unit** with **Wh**.
- Active energy taken by the grid (self-produced energy delivered back to the grid): It is the total cumulative energy produced by the house. It is required if the house can deliver energy back to the grid. E.g., if solar panels or a battery are installed.
  Assign this KNX object **unit** with **Wh**.

  NOTE: If you use a solar inverter to provide the data, see Supported Solar Inverters, page 87.

If KNX objects are available, map them in the **Energy** plugin as follows:

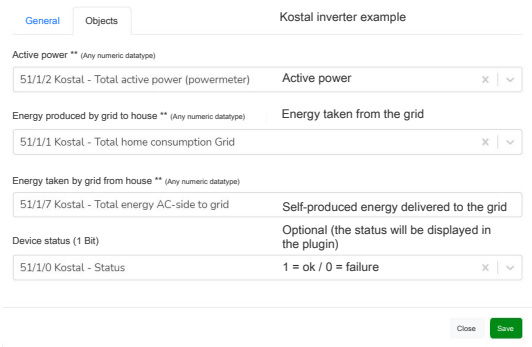
1. In your web browser, open the **Energy** plugin of your controller.
2. Click + at the bottom right corner > click **Add equipment**. The form for creating new equipment pops up.
3. Fill out the form as follows:



   NOTE: If energy can be delivered from the house to the grid, check **Self-consumption**. Otherwise, leave it unchecked.

   NOTE: Leave **Reverse direction** unchecked. You will find later in the mobile application if the power direction is correct. If not, get back to this attribute and check it.

4. Click the **Objects** tab and fill it out as follows:



   NOTE: If the energy cannot be delivered from the house to the grid, leave **Energy taken by the grid from the house** unfilled.

5. Click **Save**.

   The grid (GRID) appears as an item on the equipment list.

6. Check the GRID (checkbox on the left) > click at the bottom left > click **Add selected to room** > choose to what room(s) you want the GRID to be added.

   NOTE: Rooms have to be already created in **Touch Config**.

7. Click **Add**.

The mapped grid power and energy are available in (new tab) at the bottom right in the **Wiser KNX** mobile application (Installing the Wiser KNX App, page 48).

Tap in the app and check if the grid is monitored correctly:

- The power in **Live** view has to be displayed instantly.
- For data history, you need to wait and let system generate enough data to display in the app.

  NOTE: After any update to the configuration in the **Energy** plugin, it is always necessary to completely close the app and open it again to see the latest update. If the data do not display correctly, see Energy Troubleshooting, page 86.

Solar Panels

Map this energy group only when there is a photovoltaic system installed in house.

An inverter delivering the energy data has to be connected to the controller, commissioned, and following KNX objects provided:

- Active power: It is the actual power generated by solar panels.
  Assign this KNX object **unit** with **W** or **kW**.
- Active energy: It is the total cumulative energy generated by solar panels.
  Assign this KNX object **unit** with **Wh**.

A photovoltaic string is a separate set of panels connected to a DC port of an inverter.

If there are more strings of solar panels, there are two ways of mapping:

1. Single: If KNX objects are the aggregation of all strings of solar panels, then the mapping procedure below is done just once to create a single photovoltaic equipment.
2. Multiple: Inverters allow to connect multiple strings at the same time.
   Inverters handle multiple strings differently. Some manufacturers offer a total sum of photovoltaic power in one object and total sum of photovoltaic energy in the other. Other manufacturers report values for each string separately, so there is photovoltaic power string 1, power string 2, etc.
   In the second case it is necessary to commission as many equipment as is the count of strings installed in system.

Photovoltaic strings	Energy plugin mapping
1	One instance of photovoltaic equipment (power, energy).
2, aggregated	One instance of photovoltaic equipment with power and energy values aggregated by inverter.
2, non-aggregated	Two instances of photovoltaic equipment: • 1 (power 1, energy 1) • 2 (power 2, energy 2) The system aggregates the values and displays sums in the mobile application.

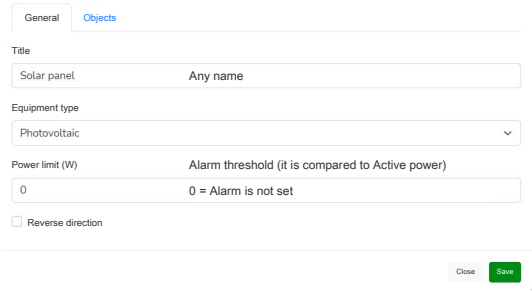
If there is an **object combining energy values** from multiple photovoltaic strings and **separate power objects** of individual photovoltaic strings, then the energy object is assigned only to the first instance of photovoltaic equipment.

Example:

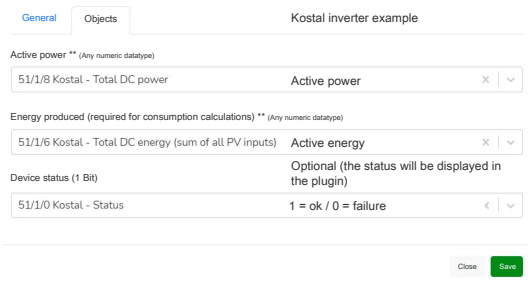
- Solar panels 1: Active power 1, Active energy All
- Solar panels 2: Active power 2, –

If KNX objects are available, map them in the **Energy** plugin as follows:

1. In your web browser, open the **Energy** plugin of your controller.
2. Click + at the bottom right corner > click **Add equipment**. The form for creating new equipment pops up.
3. Fill out the form as follows:



4. Click the **Objects** tab and fill it out as follows:



5. Click **Save**.

   The solar panels (**Photovoltaic**) appear as an item on the equipment list.

6. Check the **Photovoltaic** (checkbox on the left) > click at the bottom left > click **Add selected to room** > choose to what room(s) you want the photovoltaic to be added.

   NOTE: Rooms have to be already created in **Touch Config**.

7. Click **Add**.

The mapped solar panels power and energy are available in the mobile application.

Tap in the app and check if the solar panels are monitored properly:

- The power in the **Live** view has to be displayed instantly.
- For data history, you need to wait and let system generate enough data to display in the app.

  NOTE: After any update to the configuration in the **Energy** plugin, it is always necessary to completely close the app and open it again to see the latest update. If the data do not display correctly, see Energy Troubleshooting, page 86.

Battery

The battery is energy storage to keep energy for later use. It is usually connected directly to an inverter. The inverter manages its regime and provides energy data.

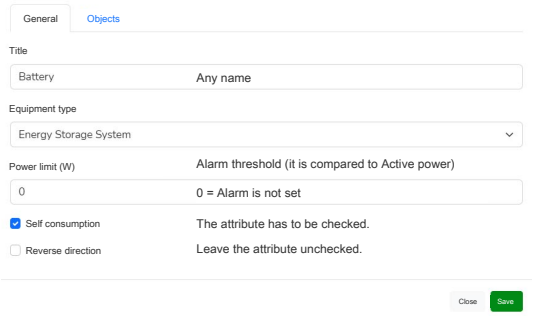
The inverter delivering the energy data has to be connected to the controller, commissioned, and the following KNX objects provided:

- Active power: It is the actual power charged or discharged from battery.
  Assign this KNX object **unit** with **W** or **kW**.
- Active energy charged to battery: It is the total cumulative energy charged to battery.
  Assign this KNX object **unit** with **Wh**.
- Active energy discharged from battery: It is the total cumulative energy discharged from battery.
  Assign this KNX object **unit** with **Wh**.
- State of charge: It is the actual level of battery charge in percentage.
  Assign this KNX object **type** with **scale** (05.001 1-byte integer).

NOTE: If you use a solar inverter to provide the data, see Supported Solar Inverters, page 87.

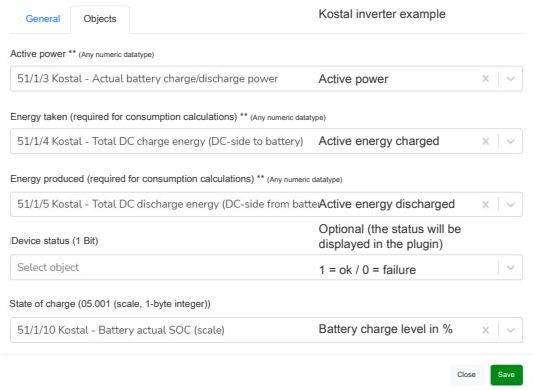
If KNX objects are available, map them in the **Energy** plugin as follows:

1. In your web browser, open the **Energy** plugin of your controller.
2. Click + at the bottom right corner > click **Add equipment**. The form for creating new equipment pops up.
3. Fill out the form as follows:



NOTE: Leave **Reverse direction** unchecked. You will find later in the mobile application if the charging and discharging is correct. If not, get back to this attribute and check it.

4. Click the **Objects** tab and fill it out as follows:



5. Click **Save**.

   The battery (Energy Storage System) appears as an item on the equipment list.

6. Check the Energy Storage System (checkbox on the left) > click at the bottom left > click **Add selected to room** > choose to what room(s) you want the GRID to be added.

   NOTE: Rooms have to be already created in **Touch Config**.

7. Click **Add**.

The mapped battery power and energy are available in (new tab) at the bottom right in the **Wiser KNX** mobile application.

Tap in the app and check if the battery is monitored correctly:

- The power values in **Live** view have to be displayed instantly.
- For data history, you need to wait and let system generate enough data to display in the app.

  NOTE: After any update to the configuration in the **Energy** plugin, it is always necessary to completely close the app and open it again to see the latest update. If the data do not display correctly, see Energy Troubleshooting, page 86.

Electrical Appliances

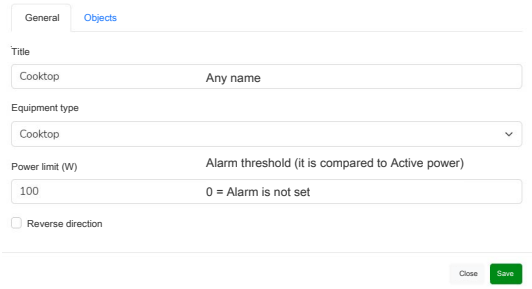
Electrical appliance can be any household appliance which consumes energy to meet its purpose (e.g., washing machine, boiler). You have to map such appliances as described further.

A device providing the energy data of your appliance, such as an energy meter, smart socket or smart plug have to be connected to the controller, commissioned, and the following KNX objects provided:

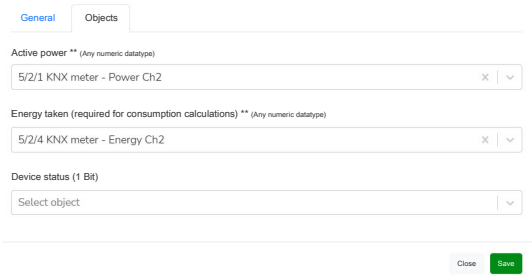
- Active power: It is the actual power consumed by an appliance.
  Assign this KNX object **unit** with **W** or **kW**.
- Active energy consumed: It is the total cumulative energy consumed by an appliance.
  Assign this KNX object **unit** with **Wh**.

If KNX objects are available, map them in the **Energy** plugin as follows:

1. In your web browser, open the **Energy** plugin of your controller.
2. Click + at the bottom right corner > click **Add equipment**. The form for creating new equipment pops up.
3. Fill out the form as follows:



4. Click the **Objects** tab and fill it out as follows:



5. Click **Save**.

   The appliance appears as an item on the equipment list.

6. Check the appliance (checkbox on the left) > click at the bottom left > click **Add selected to room** > choose to what room(s) you want the GRID to be added.

   NOTE: Rooms have to be already created in **Touch Config**.

7. Click **Add**.

The mapped appliance power and energy are available in (new tab) at the bottom right in the **Wiser KNX** mobile application.

Tap in the app and check if the appliance is monitored correctly:

- The values in **Live** view has to be displayed instantly.
- For data history, you need to wait and let system generate enough data to display in the app.

  NOTE: After any update to the configuration in the **Energy** plugin, it is always necessary to completely close the app and open it again to see the latest update. If the data do not display correctly, see Energy Troubleshooting, page 86.

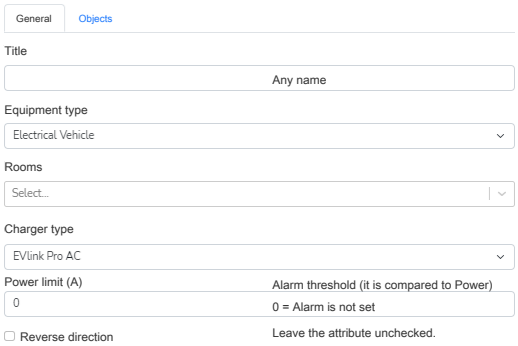
Electric Vehicles

The Wiser KNX App supports Schneider's EVlink Pro AC chargers and the **Charge Now** functionality (scheduling is currently not supported). To set it up, you have to map the EVlink Pro AC charger as any other household appliance in the **Energy** plugin.

The charger have to be connected to the controller, commissioned, and the relevant KNX objects provided.

Once the required KNX objects are available, map them in the **Energy** plugin as follows:

1. In your web browser, connect to your controller and open the **Energy** plugin.
2. Click + at the bottom right corner > click **Add equipment**. The form for creating new equipment pops up.
3. Fill out the form as follows:



4. Click the **Objects** tab and fill it out:

Status (Charger register)	Status of the charger
Charging set point (Charger register)	Charging speed (A)
Charging start	Start of charging (s)
Charging stop	End of charging (s)
Power (Charger register)	Power of the charger (kW)
Energy (Charger register)	The cumulative amount of electrical energy consumed by the charger since the installation of the application/operation of the charger (kWh)
Consumed on last charge	The energy used during the last charge (kWh)
Transaction time	Charging time (s)
Remote command (Charger register)	Control commands for the charger (start, stop, pause)
Device status	Communication status of the charger with the controller (1/0)

NOTE:
Items labelled as **Charger register** are obtained from the charger via Modbus protocol.
Those have to be already created in your controller (**Configurator** > **Modbus** tab > **Add device** > **Profile** > select from the list).

5. Click **Save**.

   The appliance appears as an item on the equipment list.

6. Check the appliance (checkbox on the left) > click at the bottom left > click **Add selected to room** > choose to what room(s) you want the charger to be added.

   NOTE:
   Rooms have to be already created in **Touch Config**.

7. Click **Add**.

The mapped appliance power and energy are available in (new tab) at the bottom right in the **Wiser KNX** mobile application.

Tap in the app and check if the appliance is monitored correctly:

- The values in **Live** view has to be displayed instantly.
- For data history, you need to wait and let system generate enough data to display in the app.

NOTE:
After any update to the configuration in the **Energy** plugin, it is always necessary to completely close the app and open it again to see the latest update. If the data do not display correctly, see Energy Troubleshooting, page 86.

Aggregated Equipment

You can combine individual household appliances or devices into one aggregated equipment. This is useful if you want to monitor, for example, the total energy consumption for lighting. When several families live in the house, you can use this tool to find out how much electricity each of them consumes.

Aggregated equipment is displayed on the equipment list at the bottom of the screen in the **Energy** plugin. You can also see it in the application as another load.

You create aggregated equipment as follows:

1. In your web browser, open the **Energy** plugin of your controller.
2. Click + at the bottom right corner of the screen > click **Add aggregated equipment**. The form for creating new aggregated equipment pops up.
3. Fill out the form as follows:

General	**Objects**	
Title: Name of the equipment.	**Mandatory**	**Optional**
Equipment type: Select the type of the device.	**Active power**: The actual consumed or delivered power. Unit = W (Watt) or kW. Select all the power group addresses for the aggregated equipment.	**Device status**: It maps the KNX object status register of the equipment. The status is displayed in the plugin: 1 = ok/0 = failure. Select all the status group addresses for the aggregated equipment.
Rooms: Select your room.	**Energy taken**: The total cumulative active energy consumed by equipment. Select all the energy group addresses for the aggregated equipment.	

NOTE: Fill in the same number of group addresses into **Active power** and **Energy taken** fields. Maximum limit: 10 group addresses per field.

Virtual equipment address = collectively represents the individual aggregated addresses from the **Objects** tab so that you can see them all as one equipment in the **Energy** plugin and the application. Fill in only one item in each box.

4. Click **Save**.

The **Aggregated equipment** appears as an item on the equipment list of the **Energy** plugin. The mapped **Aggregated equipment** is available in (new tab) at the bottom right in the mobile app.

Energy Data Update Optimization

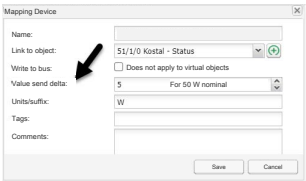
The controller CPU might get overloaded by frequent reporting of the energy data, which delays the update of power or energy data in the mobile app.

For example, when an energy meter reports insignificant power deviations (e.g., 701 W, 699 W, 702 W).

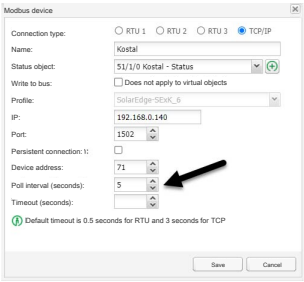
It is better to prevent CPU overload as it causes further related problems (delays and limitations).

There are several ways how to limit the frequency of reporting:

- Adjust the update period in the energy meter.
- For Modbus devices in the **Object mapping** set **Value send delta** to report only significant value deviation in the controller (e.g. 10% of nominal power).



- For Modbus devices, increase the **Poll interval** in the controller.



Equipment Editor

The following table describes each of the editor form input fields.

Title	Name of the equipment: E.g., My boiler.
Equipment type	Type of the device: Grid, solar panel, battery, or an electrical appliance.
Self-consumption	You have to set this parameter if the equipment is a battery or grid in case solar panels or a battery are installed in the house.
Reverse direction	The parameter reverses the power flow for a battery or the grid. • If the battery indicates charging and, in fact, it is discharging (or vice versa), you have to swap this attribute. • If the grid indicates power being delivered from the house to the grid, but, in fact, the power is delivered from the grid to the house (or vice versa), you have to swap this attribute.
Power limit	Alarm threshold for Active power Unit = W (Watt)
Active power	The actual consumed or delivered power. It has to be assigned for all equipment types: The grid, solar panels, a battery, and electrical appliances. Unit = W (Watt) or kW
Energy taken	The total cumulative active energy consumed by equipment. It has to be assigned for all types of equipment which can consume energy: The grid, a battery, electrical appliances.
Energy produced	The total cumulative active energy delivered by equipment. It has to be assigned for all equipment types that can deliver energy: The grid, solar panels, and a battery.
Device status	Optional. It maps the KNX object status register of the equipment. The status is displayed in the plugin: 1 = ok / 0 = failure.

Typical User Scenarios

These scenarios may typically occur in real installations (the list is not exhaustive):

Scenario	Action
1. A user wants to stop monitoring a household appliance (e.g., a washing machine) and wants to remove it from history.	An installer deletes the respective equipment in the **Energy** plugin. By doing so, the historical data will be deleted forever.

2. A user wants to stop monitoring a household appliance (e.g., a washing machine) but wants to preserve its history.	An installer deletes the power and the energy - the KNX objects of the respective equipment.
3. A user decides to replace the monitoring of one household appliance (e.g., a washing machine) by another (e.g., a dryer) using the same energy meter (e.g., smart socket).	An installer physically disconnects the monitored household appliance and connects the other household appliance. Then the installer creates new **Energy consumer equipment** and maps the respective KNX objects to it. If a user wants to preserve the history of the recently monitored household appliance, follow Scenario 2; otherwise, follow Scenario 1..
4. An energy meter linked to monitored equipment is broken down and needs a replacement.	An installer replaces the damaged energy meter and commissions a replacement meter to the controller. In the **Energy** plugin, the installer maps KNX objects of the new energy meter to the monitored equipment.

Energy Plugin Uninstallation

- Check the **Equipment list** first and delete all configured equipment items before uninstalling the plugin.
- Do not uninstall the plugin if any of the equipment items remain configured.
- Back up the system after each energy configuration update.
- An accidental uninstallation of the plugin may lead to irreversible data and configuration loss unless you restore the system.

Energy Troubleshooting

Description	Corrective action
The **Energy** tab does not appear in the application.	Make sure you are monitoring the Grid and at least one more load. Those two devices need to be correctly configured with all required KNX objects. If the **Energy** tab is still not shown, go to **Settings** > **Home Management**, select your Home > tap **Home Address** > edit the address. Tap the target icon at the bottom right of the map to get a precise location and save the changes.
In the **Live** view, the grid shows delivering power instead of receiving, or vice versa.	Go to the **Energy** plugin and edit the grid equipment. Swap the attribute **Reverse direction**.
In the **Live** view, the battery shows charging instead of discharging, or vice versa.	Go to the **Energy** plugin and edit the battery equipment. Swap the attribute **Reverse direction**.
In the **History** view, the grid shows lower **Grid consumption** and higher **Production sold** than expected, or vice versa.	Go to the **Energy** plugin and edit the grid equipment. Swap the objects in the input fields: **Energy taken** and **Energy produced**.
In the **History** view, the battery shows lower **Battery used** (discharged) and higher **Battery** (charged) than expected, or vice versa.	Go to the **Energy** plugin and edit the battery equipment. Swap the objects in the input fields: **Energy taken** and **Energy produced**.
In the **Live** view, the grid, battery, or solar panel is missing.	1. Restart the mobile application. 2. Go to the **Energy** plugin and check that a room was assigned to the missing equipment.
In the **History** view in **Load consumption** tab, an appliance consumed energy is missing.	A room has not been assigned to the appliance in **Energy** plugin. → Go to the plugin and check that a room was assigned to the appliance. It may not have been long time enough for the appliance to measure any margin in consumption. → Wait and check the consumption of the appliance later. **NOTE:** The six most consuming appliances display for a given period. The other appliances are aggregated as **Others**.

Description	Corrective action
In the **Live** view, power is updated with a significant delay. In the **History** view, energy data are missing for some hours, followed by a significant energy peak.	There may be frequent reporting on KNX objects, and the controller cannot process them on time. → see Energy Data Update Optimization, page 84.
Inverter native app shows slightly different values of power or energy compared to the Wiser KNX app.	Go to the **Energy** plugin and edit the grid equipment. Check that the attribute **Self Consumption** is set. This is caused by multiple factors like frequency of data updates (e. g., much lower in Solax inverter), a different way of load consumption calculation, etc.

Supported Solar Inverters

The list is not exhaustive.

KOSTAL Plenticore

For this model of an inverter, a **Modbus** profile is available: KOSTAL-Plenticore.json.

The following registers shall be mapped to KNX objects from the profile (Battery registers shall be mapped only if a battery is available):

Modbus register	Modbus address	Designation
Total Active Power (power meter)	252	Grid: Active power
Total Home Consumption Grid	112	Grid: Active energy produced by the grid (energy taken by house)
Total energy AC-side to grid	1064	Grid: Active energy taken by the grid (energy produced by house)
Total DC power (sum of all PV inputs)	1066	Solar panels: Active power (all strings)
Total DC PV energy (sum of all PV inputs)	1056	Solar panels: Active energy (all strings)
Actual battery charge/discharge power	582	Battery: Active power
Total DC charge energy (DC-side to battery)	1046	Battery: Active energy charged to battery
Total DC discharge energy (DC-side from battery	1048	Battery: Active energy discharged from battery

NOTE: This profile has been tested with the KOSTAL Plenticore inverter. Regarding compatibility with other models, contact the technical support of KOSTAL.

Solax X3 G4

For this model of an inverter, a **Modbus** profile is available: Solar_X3_G4.json.

The following registers shall be mapped to KNX objects from the profile (Battery registers shall be mapped only if a battery is available):

Modbus register	Modbus address	Designation
Feed-in power(meter)	70	Grid: Active power
Consumed energy total	74	Grid: Active energy produced by the grid (energy taken by house)
Energy total to grid	82	Grid: Active energy taken by the grid (energy produced by house)
PV 1 power	10	Solar panels: Active power (string 1)

PV 2 power	11	Solar panels: Active power (string 2)
Solar energy total	148	Solar panels: Active energy (all strings)
Battery power	22	Battery: Active power
Input energy charge	33	Battery: Active energy charged to battery
Output energy charge	29	Battery: Active energy discharged from battery

NOTE: The profile has been tested with the Solax X3 G4 inverter range only. It may work with older devices as well. For further queries regarding device compatibility, contact technical support of Solax.

FAQ

General

In which countries is the application available?	The app is available in Czech Republic, Denmark, Egypt, Finland, France, Germany, Italy, Jordan, Kuwait, Lebanon, Malta, Norway, Oman, Portugal, Qatar, Saudi Arabia, Spain, Sweden, UAE.
Is the application replacing the existing Wiser for KNX app?	Yes. As soon as the new Wiser KNX app is available in a country, the previous Wiser for KNX app will be available for 2 months only and then removed from the Appstore and Google Play and will be in maintenance mode for 2 years.
I am using the Wiser for KNX app and want to migrate to the new Wiser KNX app. What shall I do?	1. Update the firmware of your controller to the latest one available. 2. Install and enable the Cloud Connector and the KNX IoT 3rd party API available in the Marketplace of your controller. 3. Download the new Wiser KNX app from the Google Play or iOS Appstore. 4. Login using the same credentials used for the remote access in Wiser for KNX app.
I am using the PC/tablet visualization at home. Is this supported by the new Wiser KNX app?	No. The new Wiser KNX app provides a widget-based solution to control your installation, giving you the control to create Schedules, Moments, and Automations, and receives push notifications from your phone. The PC/ tablet visualization remains accessible through any browser while connected to the local network.
I have a got a new device and/or I want a family member to have the access.	If you use Touch or PC/Tablet visualization: There's a unique account per controller and would need to be shared with all family members (in the next releases we're planning to launch support for a multi-account per controller where each member of the household could have its own account)
If I'm an existing user of the Wiser for KNX app, should I migrate to the new app?	The new Wiser KNX app provides an enhanced user experience compared to the previous app. It is simpler and faster and it provides you with many more functionalities to the tip of your hands. You will be able to create and edit your Schedules and Moments, and receive push notifications for the devices you would define. And this is just the beginning. In future app releases, we will deliver many more new functionalities.

Widgets

Supported Widgets from Touch.	Compatibility list available here: Widget Configuration, page 17.
Are all the widgets in Touch visualization supported in the new Wiser KNX app?	No. Some of the widgets available in Touch are meant to be used in bigger displays (like text displays or showing a ULR). For others like custom, it's not feasible to adapt them to the new Wiser KNX app. Others (like music, Sonos, and Revos) will be supported later on.
Why I can't see my customizations (color, size, backgrounds) in the widgets I created in Touch in the new Wiser KNX app?	The main idea for the mobile application is to allow faster access and control of your widgets. If having the customized Touch widgets or the PC/ Tablet visualization is needed you can always access it by connecting to your controller through your web browser, but only from your local network (at home).
The widgets in the app show incorrect configuration, what shall I do?	This message is displayed when the widget does not have all the required parameters (KNX group objects) filled. Once the missing parameters will be added in Touch, the widget will work.
Why do I see my multi-widget split in the mobile app?	To offer better control of each of the loads supported by the multi-widget, those have to be split. By default, they will keep the same name of the widget and add a number at the end (1, 2, 3, etc). Those names can be renamed in the Wiser KNX app.
How can I access my most frequently used widgets faster?	Access any widget that you would like to bookmark as a favorite and tap the star at the top right of the detail screen. That widget now appears in the Favorite Room in the app that will be shown by default every time you open the app.
Why do some of my widgets show a number after the name?	Multi-widgets like Light Switch, Dimmer, and Socket are shown as a single widget in Touch but they are broken down into single widgets in the Wiser KNX app. In the latest app version, you can rename the channels differently so they display with their name in the app.

Rooms

How can I rename my Rooms?	In **Settings**, access the **Rooms** section and tap the Room you want to rename. There are two default Rooms whose names can't be changed: **All** and **Favorites**.
How can I change the order of the Rooms?	On your home screen, you have to tap 3 dots (…) at the top right next to the rooms and then drag and drop to reorder the way you want your rooms to be displayed on the home screen.

Moments

How can I access my Moments faster?	In **Settings** > **Home Screen** > **Show Moments**, you can enable the option so that your Moments can be displayed on the home screen.
How can I change the order of the Moments?	In the **Automation** tab, you have to tap the 3 dots (…) at the top right and then drag and drop to reorder the way you want the Moments to be displayed on the **Moments** screen.
I can not edit all the Moments displayed in the app.	There are two different types of Moments: 1. KNX scenes: Created in ETS or eConfigure. They are linked to the scenes widget in the Touch visualization. They are displayed in the app with no icon and no edit options. 2. W4K scenes: Created in the Wiser for KNX controller using the **Configurator**. The mapping exists only between scene actions and KNX group objects. The logic is evaluated in the controller. They are displayed in the app with no icon and no edit options. They can be hidden in the Wiser KNX app by clicking on the Home icon displayed on the **Moments** screen. 3. Moments: You create them in the app and you can assign icons and edit them anytime from the Wiser KNX app.

Automations

What is the difference between Moments and Automations?	Moments are similar to scenes, and they are triggered manually. Automations are actions triggered based on conditions like time, weather or a device status change.
What are some examples of Automations I can set up at home?	You can open your blinds at sunrise and close them at sunset. This way, closing and opening automatically adapt during the year. (If done through schedules, the opening and closing are based on a fixed time). You can set the lights to turn on when the garden motion sensor detects motion ONLY during weekdays or weekends during a specific time period. If you have a weather station at home, you can set the automation so that if the wind speed is above a certain threshold, your blinds open to prevent them from being damaged by strong winds.

Weather panel

Where is the weather information coming from?	The weather information is provided by default by an Internet service provider once you have defined the address where your Wiser for KNX controller is located.
How can I hide the weather information from the Home screen?	If you don't want to see the weather information on the Home screen, you can always hide it in the settings.
I have a weather station in my home. Can I use its weather information instead?	Yes. By default, the weather information from the Internet service provider is shown, but if you have a weather station in your home with its widget in Touch you can always choose to use its information instead. To do so you have to go to **Settings** > **Home screen** > **Weather Panel** > check **Show Weather panel** > check **Use weather station information** > select your weather station > tap **Save**.

Message Center

What is the Message Center for?	The **Message Center** is the place where you will see the notifications that the platform has sent you, regarding the change in the status of devices, alarms, or other notifications about the platform, like new firmware availability, etc.
Do all notifications in the Message Center trigger a push notification?	Yes. You can always define which type of notifications you would like to receive.
Can I select which notifications I can receive?	Yes, in **Settings** > **Account** > **Notifications** you can define which devices and in which cases they should trigger a notification.

Why can I only see 1 notification per device?	In **Message Center**, only the last notifications of each device display. If a new notification of the same device arrives, it overwrites the previous one (you would see the time stamp of the latest one). You can delete notifications by swiping them from right to left.
If I have more than one controller associated with my account, can I receive notifications for both controllers?	Yes, you can decide for each of your Homes if you want to receive notifications. If you receive for more than one, you can filter and see the notifications for each Home in the Message Center.

Home Management

Can I access different Homes from the same account?	With the **Home Management** feature, you can now link more than one Home to one account. However, at the moment, you can not add additional Homes to an existing account. You need to delete the additional Home account and add the Home again via the main one (**Home Management** > **Pair new controller**).
Can I access my Home from more than one account?	Yes. You can always define which type of notifications you would like to receive.
Can I select which notifications I can receive?	It is not possible yet. One Home can only have one account. Soon there will be a "Family Sharing" feature that will allow you to have additional accounts linked to a Home.

Energy

Why I can not see the **Energy** tab in my Wiser KNX app?	You need to have the **Energy** plugin (available for download in the Wiser for KNX controller marketplace) installed and configured first. You have to set up at least one device to measure the energy from the Grid and at least one more load. Even if the above is done, and you still do not see the **Energy** section, refresh the controller location. To do so, go to **Settings** > **Home Management**, select your Home > tap **Home Address** > edit the address of your home. Tap the target icon at the bottom right of the map to get a precise location and save the changes.
I have photovoltaic at home, and my inverter does not seem to be supported.	We currently support Kostal and Solax, but we will be adding others periodically. If you have advanced knowledge of Modbus registers, you can map the required objects to your controller and connect other Modbus inverters too.
I can not see the cost associated to my energy consumption.	You need to set up your tariff first. Go to **Settings** >**Tariffs** and select your tariff. For now, we only support flat tariff. Enter the details of your current contract and save changes.
Which EV chargers are supported?	Currently, the app supports Schneider's EVlink Pro AC in the **Charge Now**mode. We will soon enable support for the "Scheduling feature" and also support for Schneider's existing EVlink G4 charger. In the future, others might be supported too.

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reselect	MIT	
sockjs-client	MIT	Bryce Kahle
stomp/stompjs	Apache-2.0	deepak@kreatio.com
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