

SALES PRESENTATION

KNX APP-Control Server

Endless functionality: total control, one App.

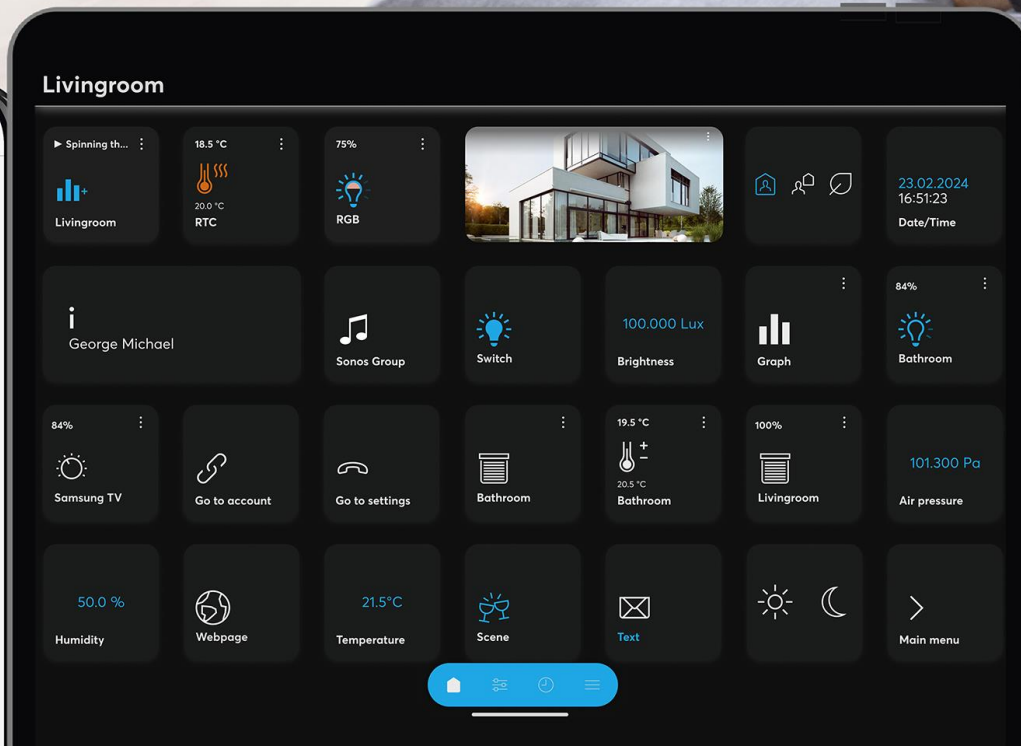
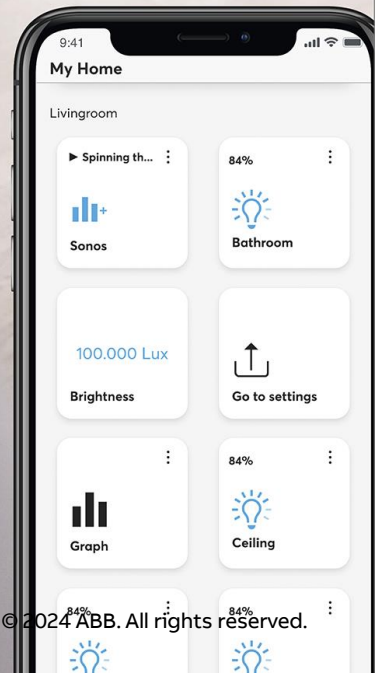


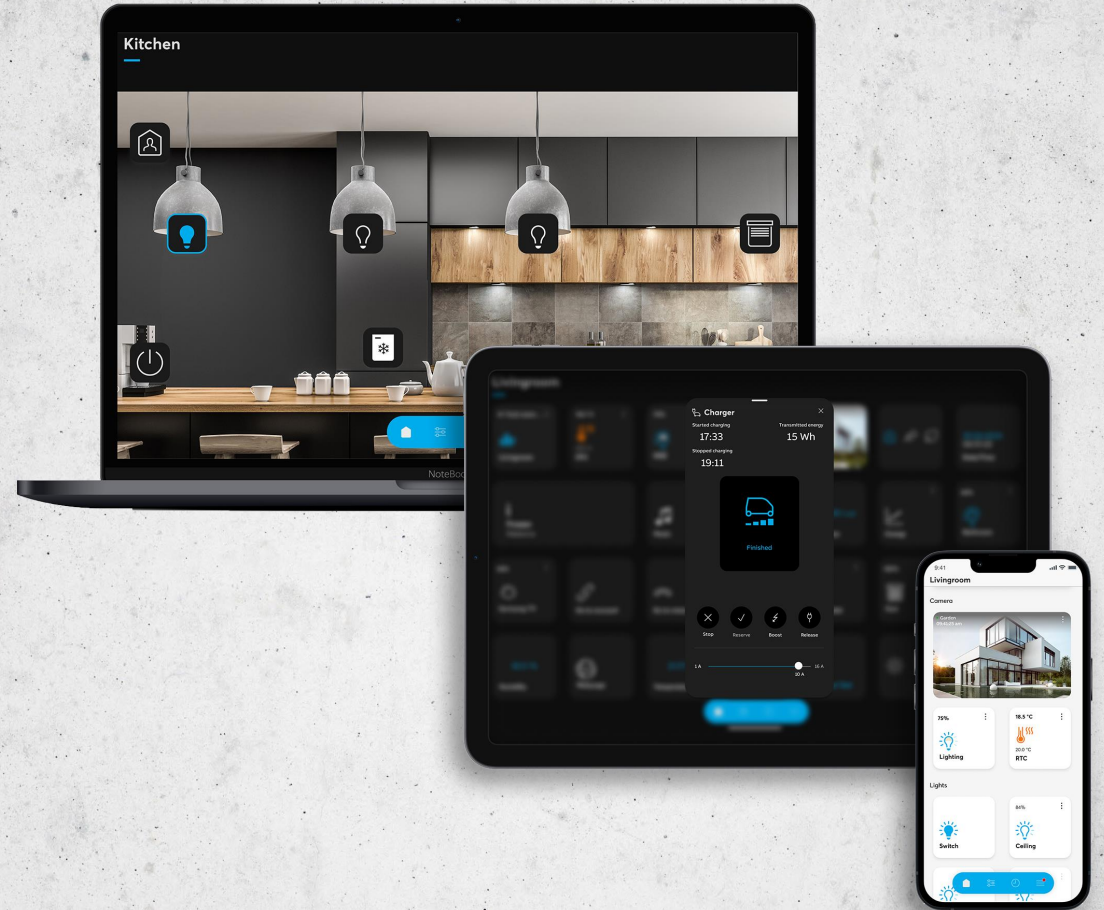
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Introducing KNX APP-Control Server

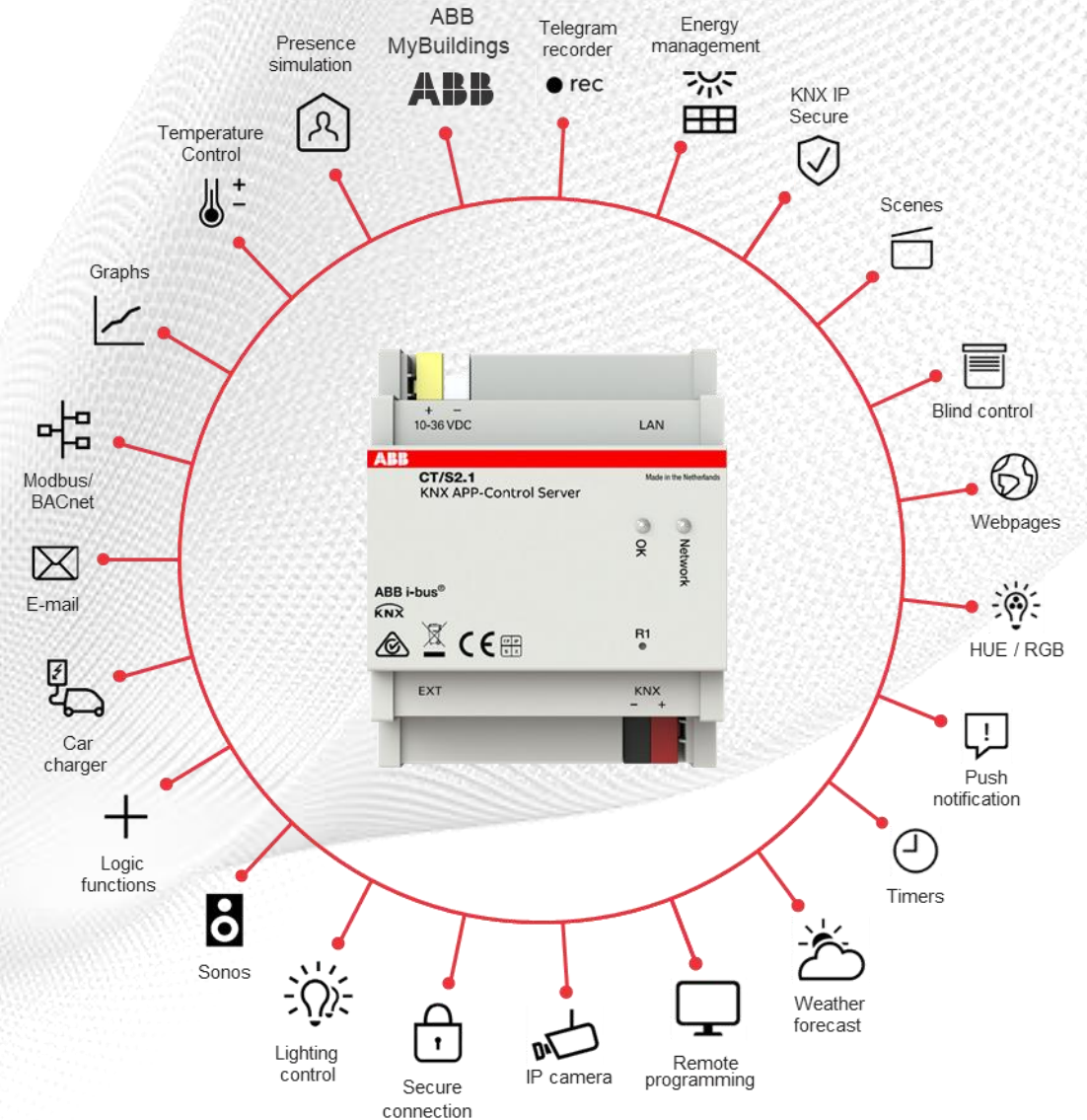
With **KNX APP-Control Server**, smartphones, tablets, laptops become practical remote controls for your KNX smart home system. Coming with a **new name**, **refreshed interface** and **new functionalities**, it connects the KNX installation to the IP network, allowing **users to control all KNX functions** in buildings and homes, and enabling **simplified commissioning**, **remote programming** & **enhanced troubleshooting** for the installer.



KNX APP-Control Server

Endless functionality: total control,
one App.

With the new functionalities
and new integrations, the
KNX APP-Control Server
becomes a world of
limitless possibilities at all
fingertips.





KNX APP- Control Server benefits

KNX APP-Control Server



Benefits for the End User



FULL REMOTE MONITORING & CONTROL

The KNX APP-Control Server seamlessly integrates smartphones, tablets, and laptops as remote controls for the KNX system. By connecting the KNX installation to the IP network, it enables to conveniently **monitor, control and manage all KNX functionalities**, such as switching, dimming, blind and RTR control, within the building and home.



ENERGY SAVINGS

With **Smart Energy Management** in the KNX APP-Control Server, you can **optimize** power usage to be more self-sufficient **and lower energy bills up to 30%**. You can use the KNX APP-Control Server to **schedule energy consuming** equipment in a balanced way based on available energy, current pricing and energy demand.



CUSTOMIZATION

End-users can easily **customize the app** to their specific preferences and needs, enhancing their overall experience and satisfaction. Having the option to customize the display of the control pages, select room images and control elements, ensuring easy and intuitive operation.



USER-FRIENDLY DESIGN

Now available in **dark and light mode** UI and UX, the user interface design is enhanced to be **more intuitive, self-explaining and easier to use**. The modern app design is in line with the ABB touch panels.



ENHANCED FLEXIBILITY THOROUGH INTEGRATIONS

Thanks to KNX Bridging and multimedia integration, you can **integrate solutions** from Sonos and other manufacturers. Additionally, you can integrate websites for retrieving, for example, **weather forecast data** and link additional **logic functions**.

KNX APP-Control Server

Benefits for the Electrical Installer and System Integrator



SIMPLIFIED COMMISSIONING

The update significantly simplifies the commissioning process, allowing installers to import the KNX project, start visualization, and add controls and group addresses easily via drag & drop.

Additionally, **BACnet IP and Modbus TCP are now supported.** The **commissioning happens centrally via the [ProService Portal](#).**

Easier commissioning thanks to direct group address connection.



REMOTE ACCESS & PROGRAMMING

The update provides installers with the option of **remote access**, allowing them to **program** the complete KNX system remotely via a secure connection. This eliminates the need for additional trips to the site after commissioning accelerating maintenance and increase efficiency.



ENHANCED EFFICIENCY & TESTING

The new **Graphical Logic Editor** enables installers to graphically create and test both simple and complex functions in advance, thereby increasing work efficiency and helping to avoid errors.



EASIER TROUBLESHOOTING

Thanks to the KNX Telegram recorder (online + offline) installers identify issues within an installation by capturing telegrams from various devices. This enables **remote troubleshooting and proactive monitoring**. Additionally, the device includes a KNX router, eliminating the need for a separate purchase. In addition, the **Auto Update functionality** eliminates the need for the installer to visit the building site to install firmware/software updates, making the update process more convenient and efficient.



**New
functionalities**

KNX APP-Control Server comes with new functionalities

Energy Management



BACnet



Graphical Logic Editor



Modbus



Weather Forecast



KNX Telegram Recorder



New UI / UX



OCPP



Secure API



Simplified Commissioning



Remote Programming



Supports up to 250 Hue Devices



KNX APP-Control Server

Remote Programming

Program the KNX-APP Control Server remotely

Devices' web-browser can also be entered remotely

Program the whole KNX installation remotely

Be able to program the whole KNX installation over a secure communication

APP-Control Connect

Reload device list

0 CT Thuis 14287-34774-70086	ETS
1 Mr. Hunter 14167-13574-79886	✕
12345-71074-00024 12345-71074-00024	✕
14056-71864-27586 14056-71864-27586	✕
99016-86420-43099 99016-86420-43099	✕
BJE 14120-86866-92186	ETS

IP Tunneling

Name

Remote Access

Individual Address

Can only be set by downloading the interface device.

Address free?

Server

localhost

Port

3671

IP Protocol

Auto

Network Address Translation

☒ Connect using NAT mode

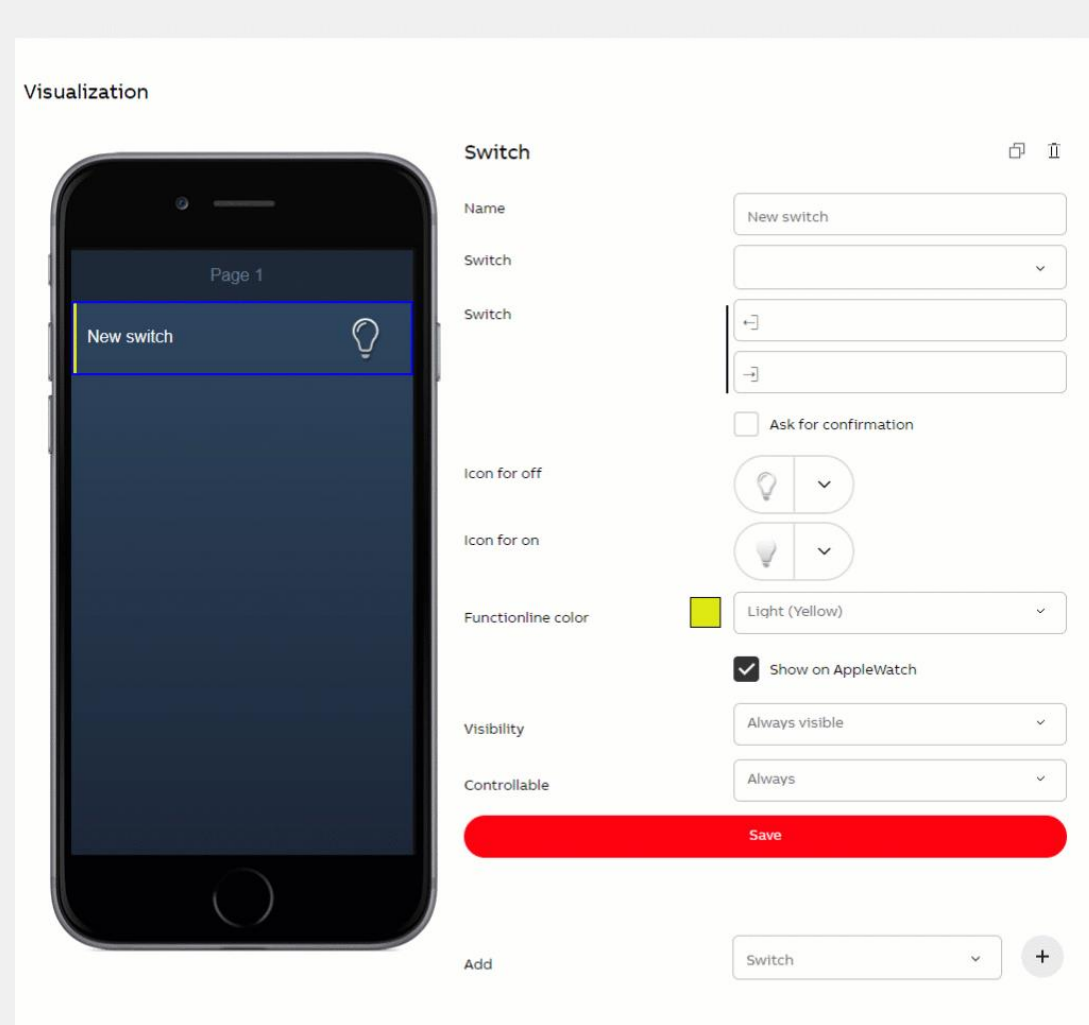
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KNX APP-Control Server

Simplified Commissioning

Commissioning of the KNX APP-Control Server has been made easier

1. Import the KNX project into the ProService Portal
2. Start you visualization
3. Add a control element, e.g., a switch
4. Add group addresses from the imported KNX project by drag & drop



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KNX APP-Control Server

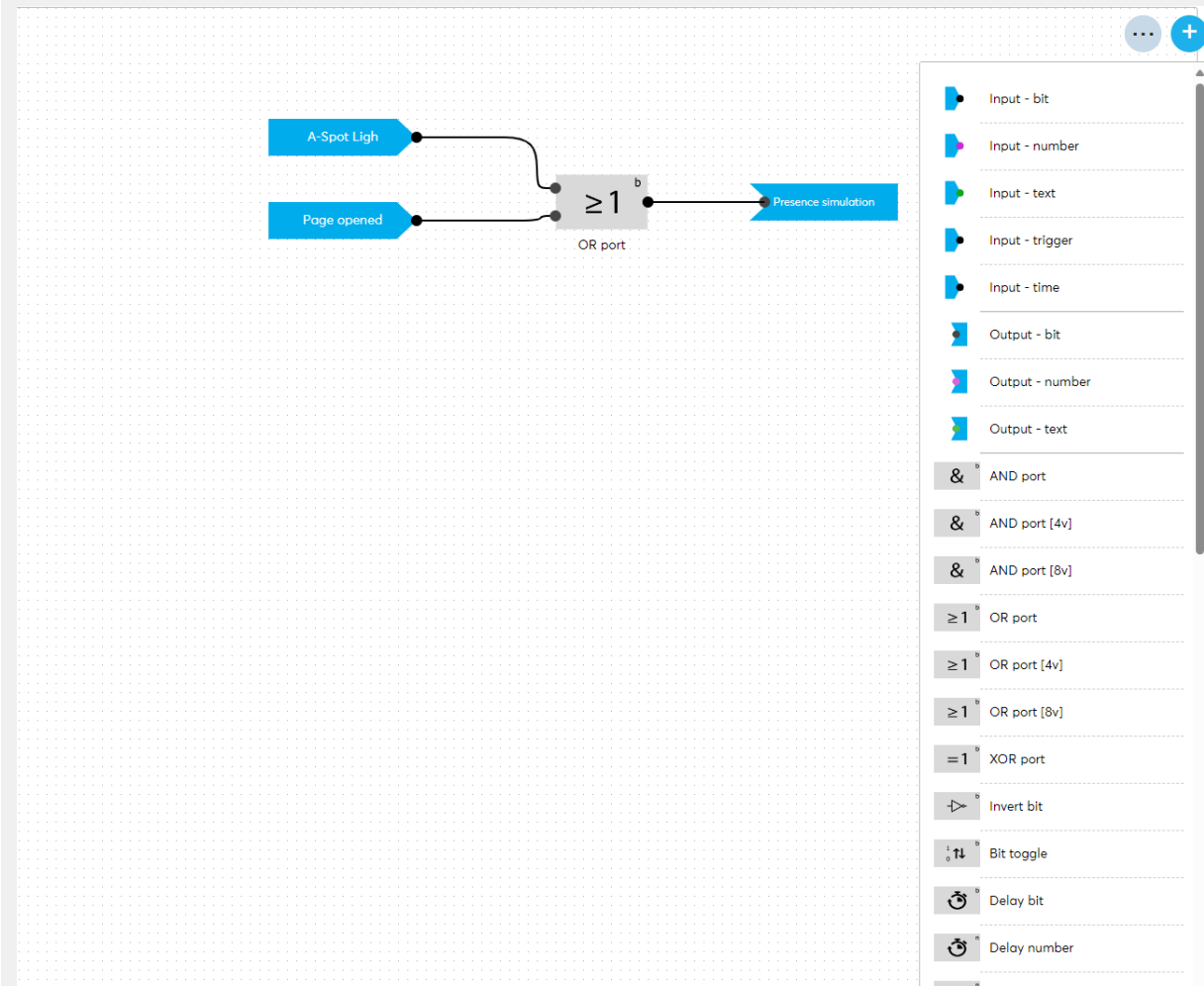
Graphical Logic Editor

Create logical functions on a graphical layer

This makes it possible to create complex functions in an easy and fast way

Test the created functions

Even before loading the logical functions in the device, you have the possibility to test them



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KNX APP-Control Server

Integration of BACnet IP

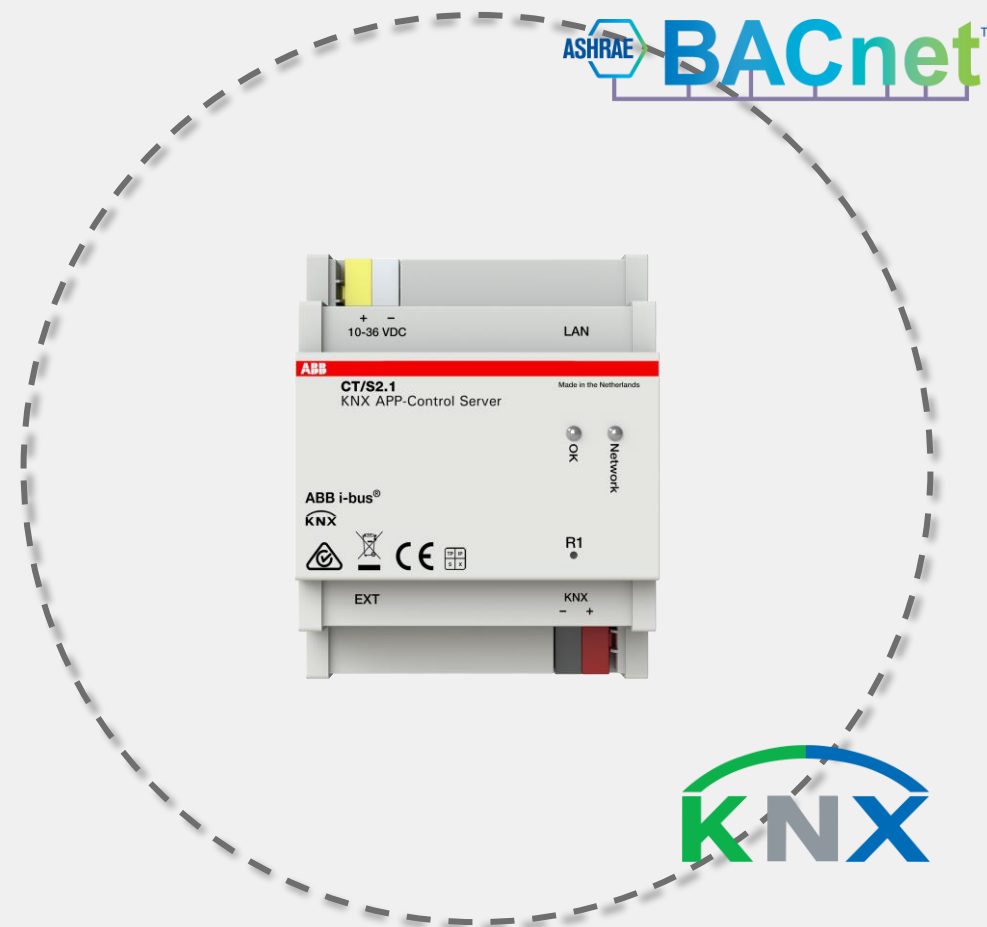
Use the device as a BACnet Server

Use the KNX APP-Control Server to make KNX components available in a BACnet system, e.g., for visualization and control purposes

Automatically assign IDs and value types

This helps you to be faster and the list with BACnet types and IDs can be downloaded

To use the BACnet feature, please contact our service department.



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KNX APP-Control Server

Integration of Modbus TCP

Use the device as a Modbus TCP client

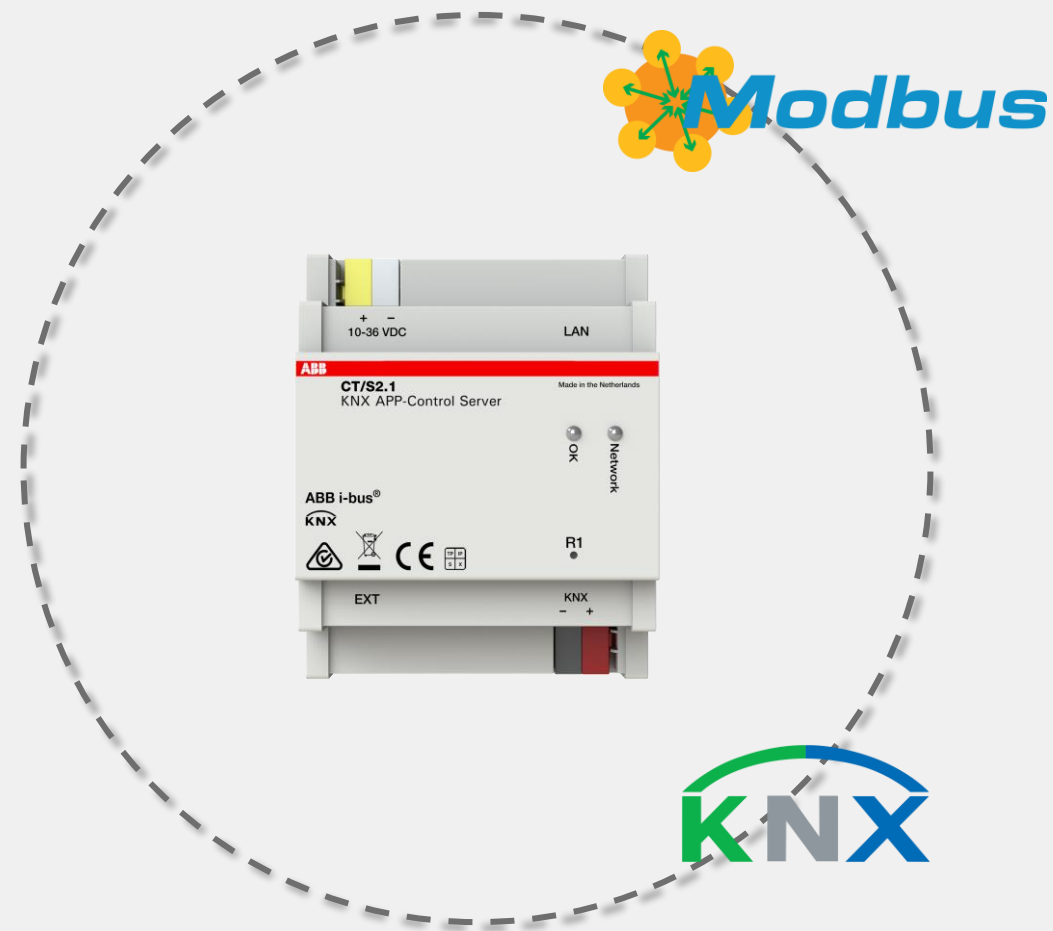
The KNX APP-Control Server can read data from different Modbus servers

Modbus data points can be used in different functions

Use the Modbus data points like KNX group addresses

Integration in a Smart Energy Management

Heat pumps, batteries and other devices can be monitored and controlled via the KNX APP-Control app



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KNX APP-Control Server

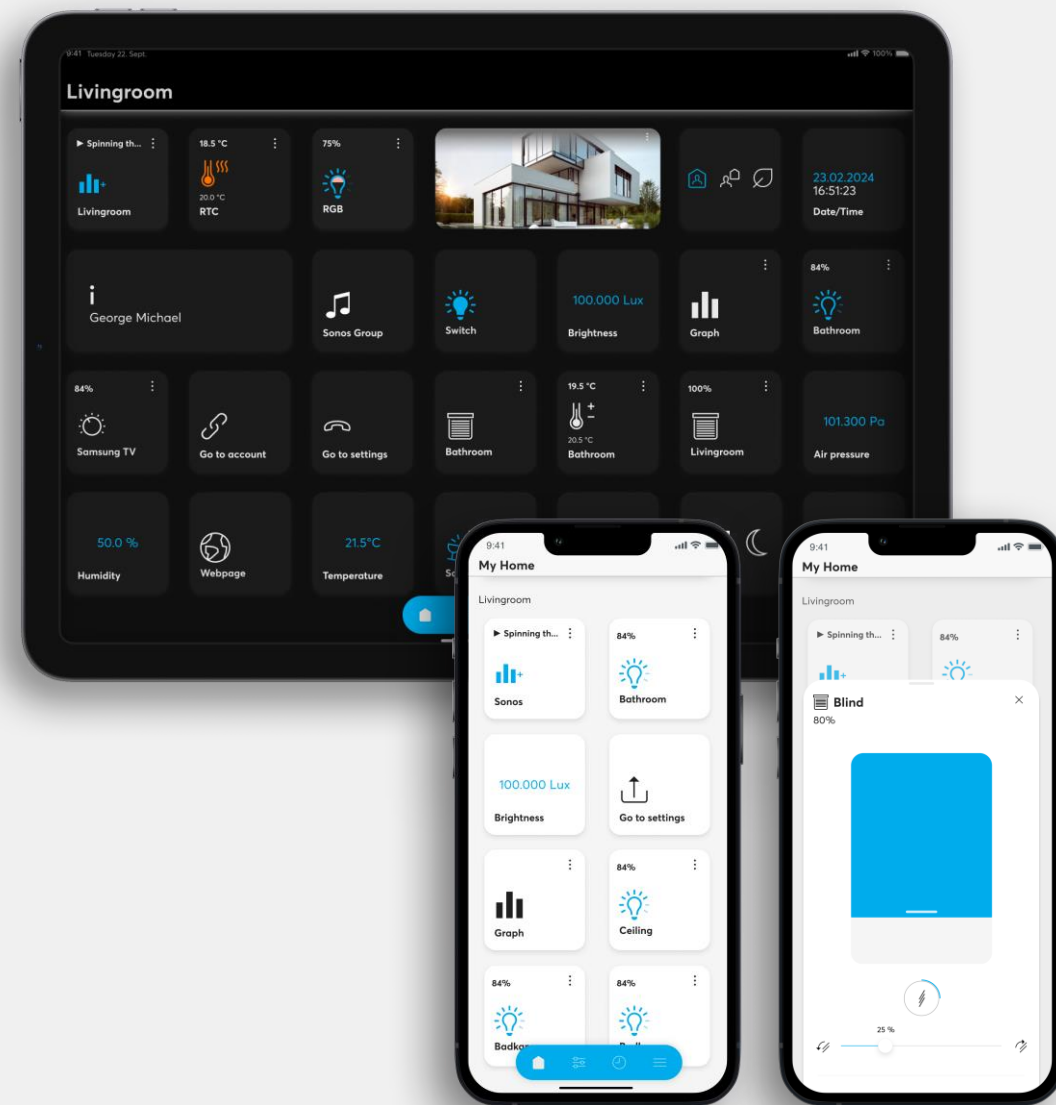
New UI / UX

New color theme

Switch between light and dark mode
(manually or automatically based on the
mode of your smart device)

New app design

Modern app design in line with the ABB
touch panels



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KNX APP-Control Server

KNX Telegram Recorder

1000 telegrams can be stored offline
Store telegrams in a loop or for 24 hours
(free of charge)

All telegrams can be store online
ProService account required. Telegrams can
be downloaded and imported to the ETS
(paid service)

Record specific telegrams
Set filters that describe which telegrams
should be recorded

KNX recorder

Telegrams from 2007-03-26 21:42:40 till 2024-01-27 11:56:00 # 69297

Download XML

Search

Time▲	Source	Group address	DPT	Value	Raw telegram
2024-01-27T10:56:00.783Z	1.0.239	4/2/0	16.001	What'd I Say,	BC10EF2200EF00805768617427642049205361792C20
2024-01-27T10:53:34.384Z	1.0.239	4/2/0	16.001	Splish Splash	BC10EF2200EF008053706C6973682053706C61736820
2024-01-27T10:51:36.180Z	1.0.239	4/2/0	16.001	CMon Everyb	BC10EF2200EF0080434D6F6E20457665727962000000
2024-01-27T10:47:49.831Z	1.0.239	4/2/0	16.001	Blue Skies	BC10EF2200EF0080426C756520536B69657320000000
2024-01-27T10:45:04.063Z	1.0.236	3/1/3	9.001	21.06 °C	BC10EC1903E300800C1D
2024-01-27T10:45:03.914Z	1.0.236	3/1/3	9.001	21.06 °C	BC10EC1903E300800C1D
2024-01-27T10:45:02.483Z	1.0.239	3/1/1	11.001	27-1-2024	BC10EF1901E400801B0118
2024-01-27T10:45:00.482Z	1.0.239	3/1/0	10.001	Saturday 11:45:00	BC10EF1900E40080CB2D00
2024-01-27T10:43:28.687Z	1.0.239	1/0/0	16.001	Monday 11:43:28	BC10EF2200EF0080426C756520536B69657320000000

KNX GA telegram recorder

Enabled

Offline + online ▼

Record GA filter

1/*/*,3/3/*

Recorded telegrams

Download

Online recorder

Synchronize

Apply

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KNX APP-Control Server

Smart Energy Management

Optimize energy consumption

Maximize the use of self-generated energy (solar, wind) and run appliances when energy demand and prices are lowest

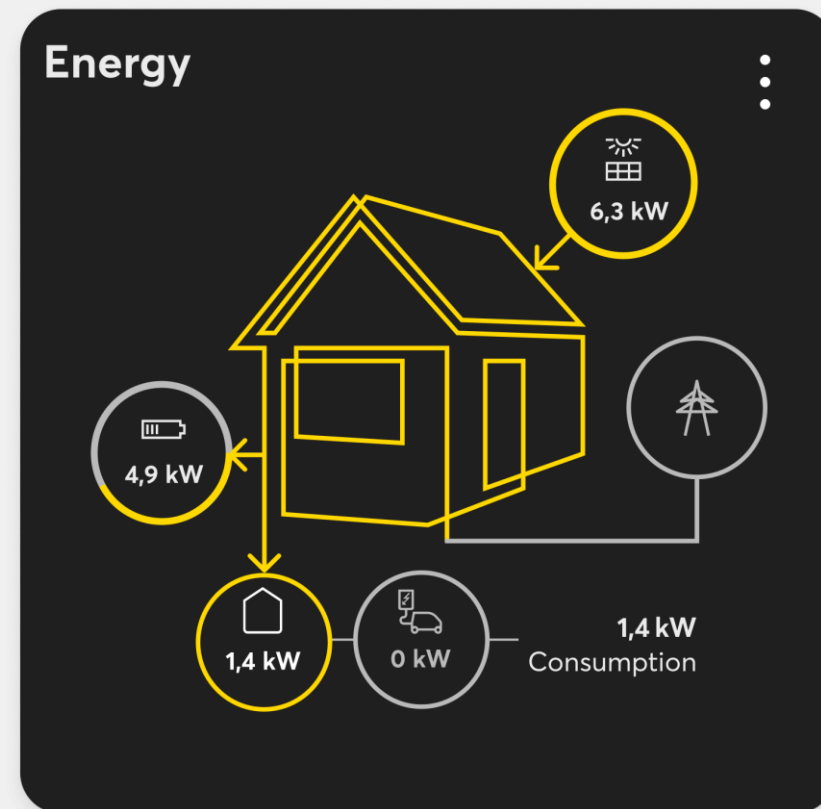
Smart charging

Charge your electric vehicle and other devices when energy demand and prices are lowest



30%

Reduce energy costs and CO₂ emissions by optimizing energy consumption



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KNX APP-Control Server

Integration of OCPP

Easy integration of EV chargers

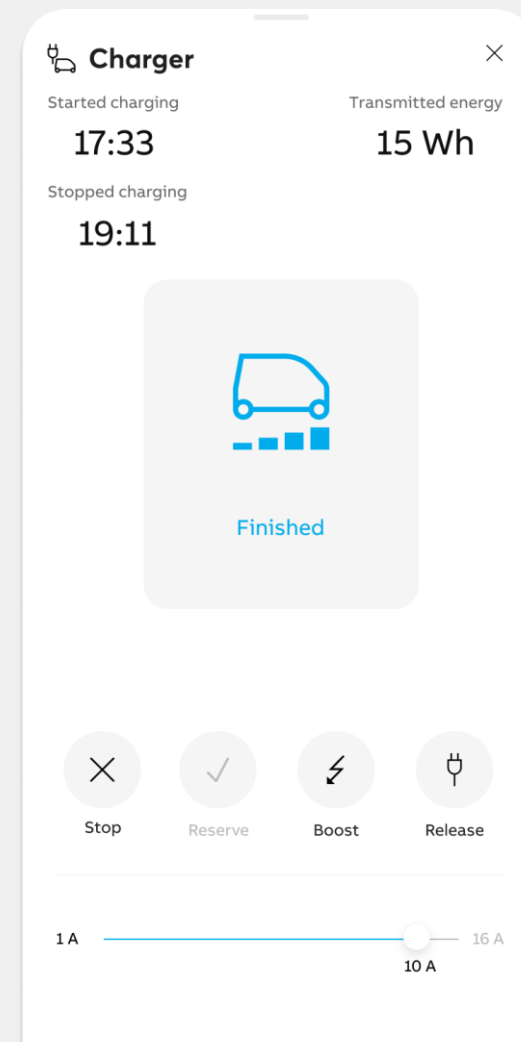
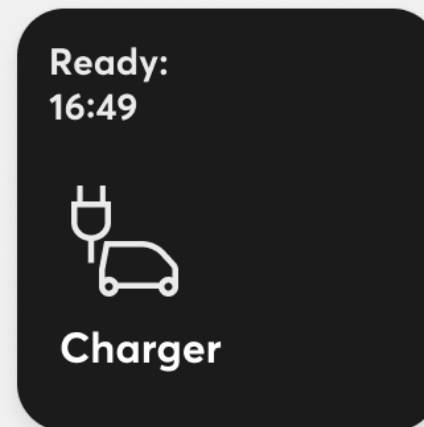
Quick and easy integration with the OCPP protocol 1.6

Monitor and control the charging status

Control the charging procedure, check for errors and how long the car is already charging

Integration in a Smart Energy Management

The charging process can be controlled fully automatically depending on the energy costs, the energy generated or the desired end time



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KNX APP-Control Server

Integration of Philips Hue

Integrate up to 5 Hue Bridges

In total 250 Hue devices can be combined in the KNX installation

Hue Groups are now supported

Control a complete group of lights at once

Hue settings

IP address of Hue Bridge 1:

Apply

IP address of Hue Bridge 2:

Apply

IP address of Hue Bridge 3:

Apply

IP address of Hue Bridge 4:

Apply

IP address of Hue Bridge 5:

Apply

Hue

Connected to bridge: 1

HUE1:1 = Light 1
HUE1:2 = Corridor 1
HUE1:3 = Corridor 2
HUE1:4 = Light 2
HUE1:5 = Light 3
HUE1:G1 = Livingroom
HUE1:G2 = Bedroom
HUE1:G3 = Corridor

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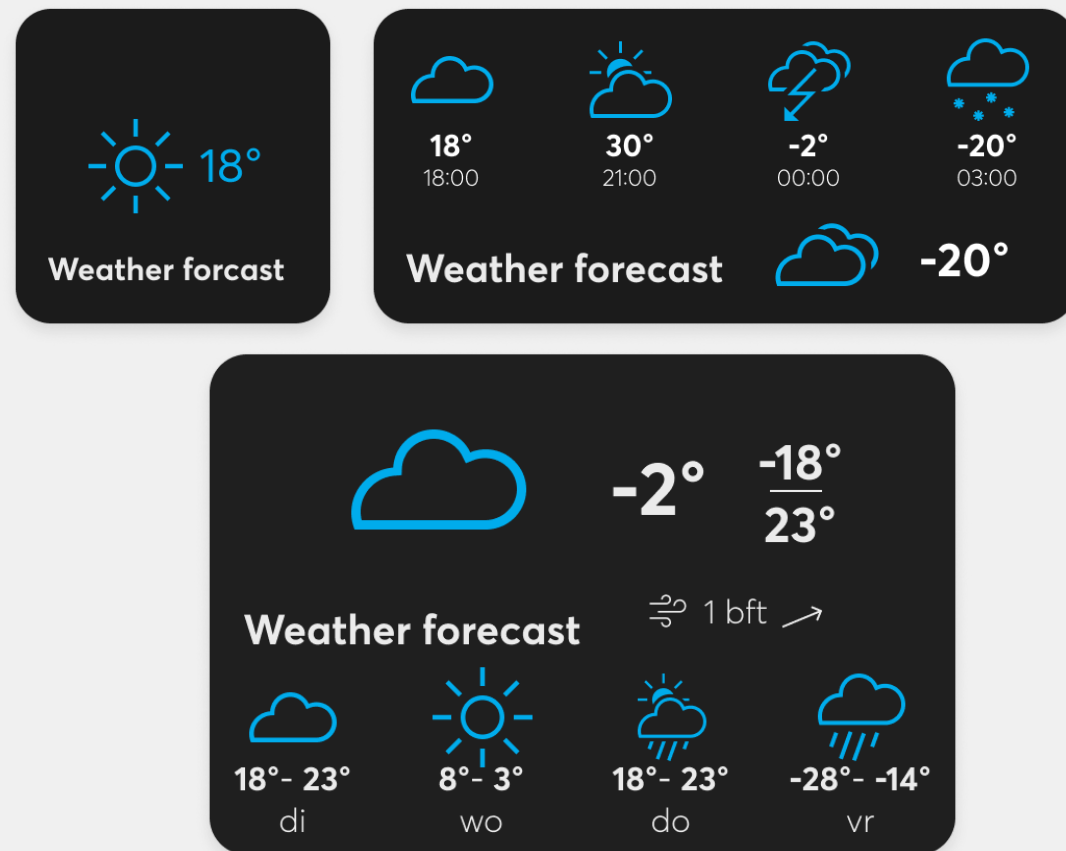
Weather Forecast

Weather forecast for the next 4 days

In the app you can see the prediction for the next hours and days: Min./Max. temperature, wind, precipitation

Use weather data for logical functions

The weather information can be used as a trigger for logic functions, e.g., if there is no rain in the next 24 hours, then activate the sprinkler installation



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KNX APP-Control Server

Secure API

The secure API is a two-way interface for executing control commands by external systems and providing status information back

Secure communication

The API communication from and to the KNX APP-Control Server uses HTTPS over a separately configurable port number

To use the Secure API feature, please contact our service department.



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**Product
details**



KNX APP-Control Server

Product details

General Information (link to the product page to access all related product details)

Description:
CT/S2.1 KNX APP-Control Server

Product ID:
2CKA006136A0218

EAN:
4011395310168

Accessories:

Identifier	Description	Type	Qty	Unit Of Measure
<u>2CDG120037R0011</u>	CP-D24/2.5 Power Supply, 24 V DC, 2.5 A, MDRC	CP-D24/2.5	1	piece





Resources and support

KNX APP-Control Server

Resources

Product information

 [Product webpage](#)

 [LSU portal
dedicated page](#)

Documentation

 [KNX Sensor
Overview](#)

 [Product manual](#)

 [Function
Description](#)


 [Visual assets](#)

 [Product images](#)

 [Digital banners](#)

 [Infographic](#)

Training

 Training (upcoming)

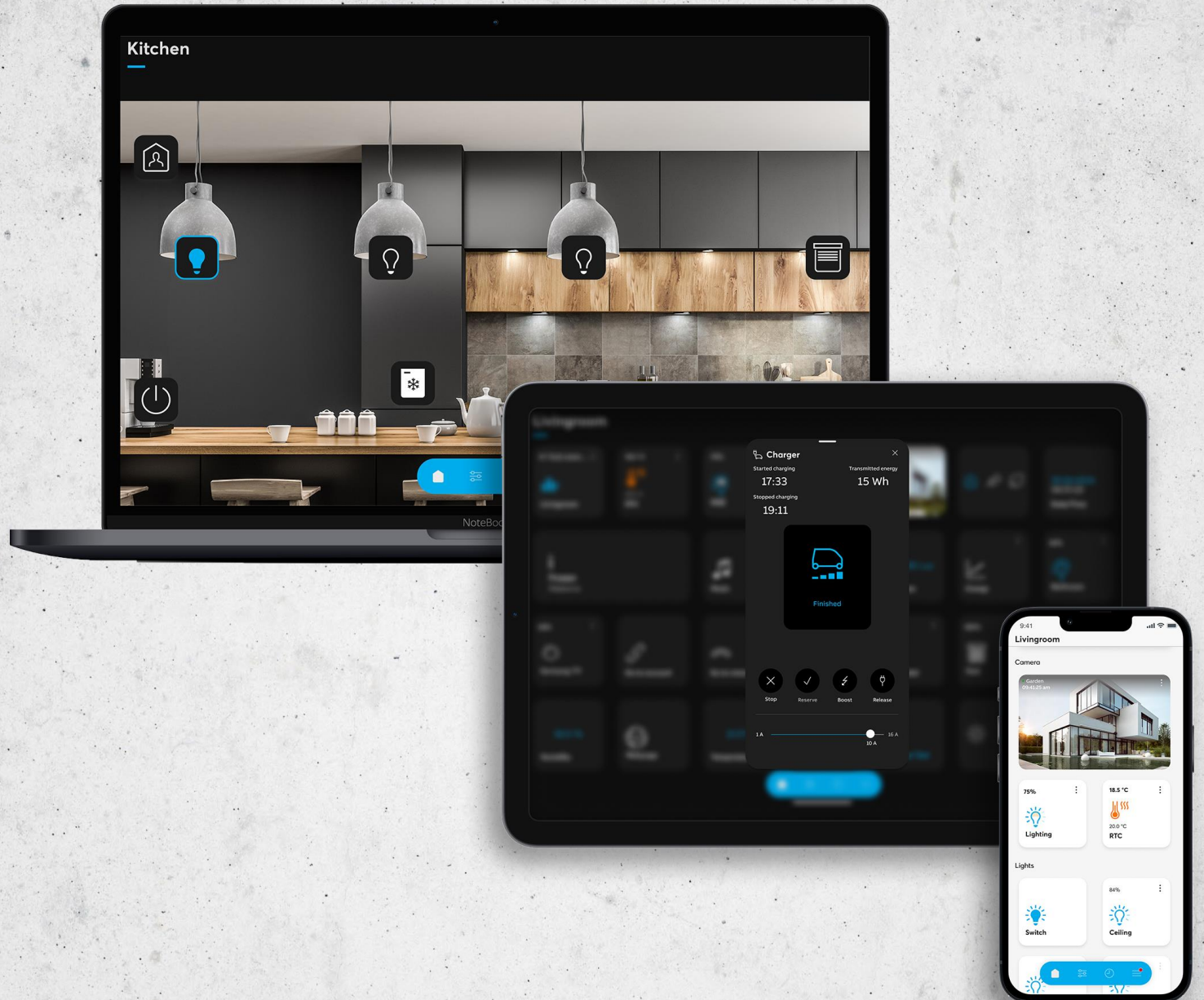
Contact us

I'm ready to give you support with your smart panel needs.

Please reach out any time at

[Sales Rep email address].

[KNX APP-Control Server](#)



ABB