

Smart Visu Server



Quick Start Guide

Content

Individualise your SV server according to your wishes. Whether connection to voice services, lighting systems or multiroom sound.

The use cases guide you step-by-step through the setup.

This way, everyone becomes a Smart Visu Server expert!



PHILIPS HUE

How do I connect Philips Hue?



SONOS

How do I connect Sonos?



VOICE CONTROL

How do I connect Amazon Alexa / Google Home?



REMOTE ACCESS

How do I set up remote access?



CHARTING

How do I set up a diagram?



ASTRO FUNCTION

How do I adjust the astro function?



PRESENCE SIMULATION

How do I set up the presence simulation?



STAIRCASE FUNCTION

How do I set up a staircase function?



EMAIL MESSAGING

How can I set up email messaging?

Smart Visu Server



How do I connect Philips Hue?

1. Introduction

Feel-good lighting with the Smart Visu Server:

With the integration of the Philips Hue colour lighting system, you simply create individual light scenes with your finger tip on your smart phone. In addition, it can be controlled with the JUNG KNX push-button modules.

These instructions explain the individual steps to commission it and to use it on the basis of an example.



COMPONENTS JUNG	ITEM NO:	QUAN- TITY
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Smart Visu Server	SV SERVER	1
KNX IP interface	IPS 200 REG	1
KNX Standard push-button sensor module, 4-gang	4074 TSM	3

COMPONENTS PHILIPS	ITEM NO	QUAN- TITY
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Hue Bridge	-	1
Hue White Ambiance E27	-	1
Hue Go	-	1
Hue Lightstrip	-	1

2. Overview

Philips Hue can be integrated into your JUNG Smart Visu Server with just a few steps.

The table here gives an overview of the necessary steps.

On the following pages, the individual steps are described in detail.

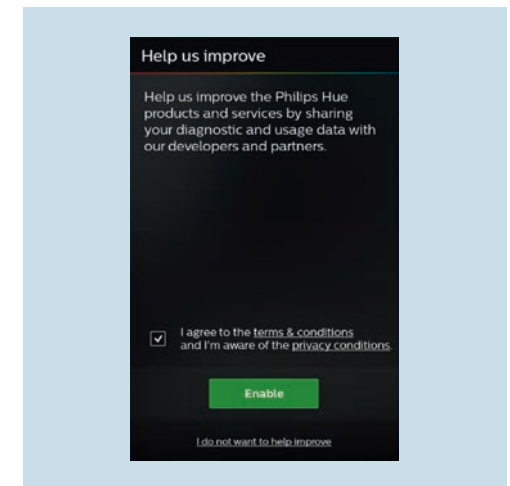
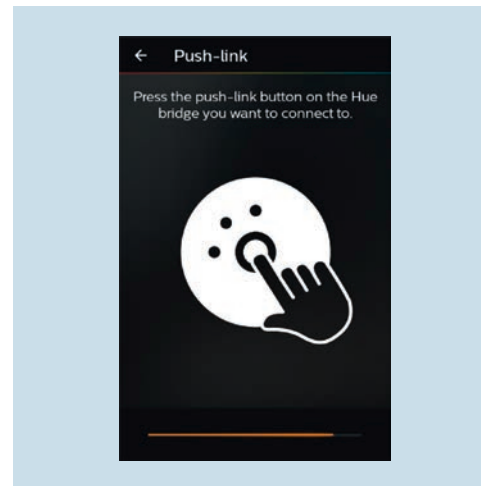
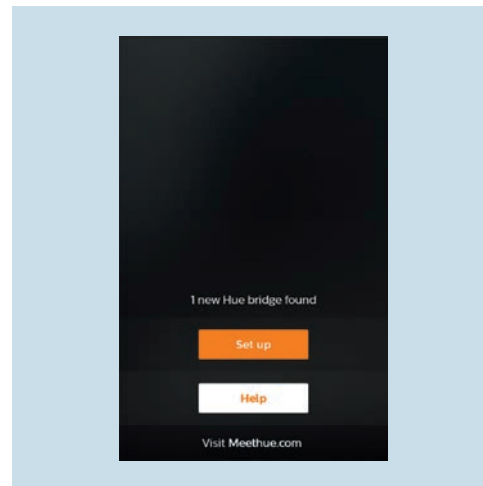
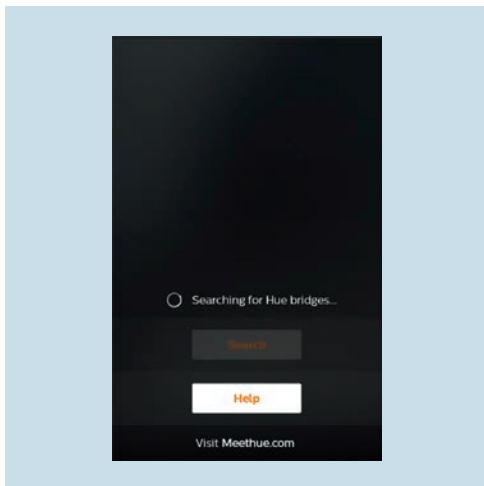
STEP	PAGE
1. Download Philips Hue app	4
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3. Commissioning Philips Hue

Install the Philips Hue App on your smartphone and integrate the Hue Bridge to your home network.

3.1 Initial operation

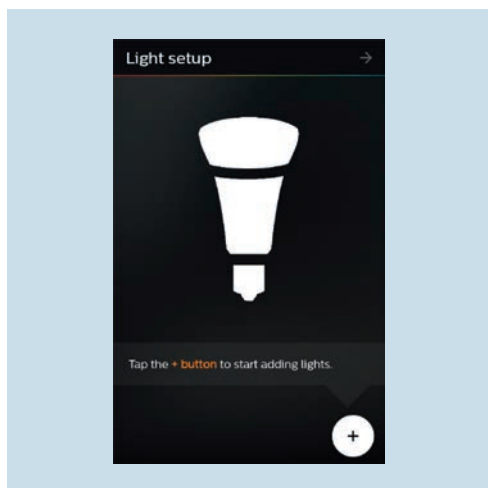
For the initial operation, in normal circumstances there is no configured Hue Bridge present. The initial operation of the Philips Hue is carried out as follows:



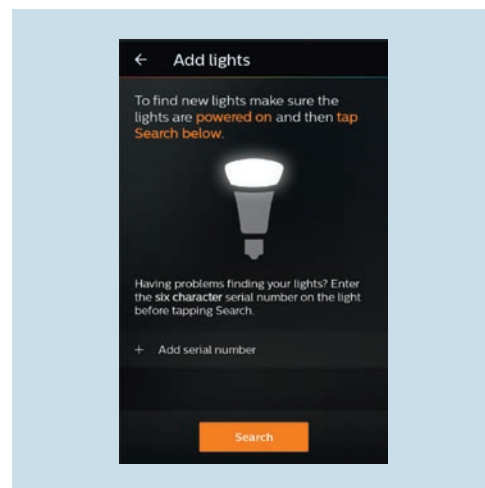
1. Open the [Hue app](#). The search for a new Bridge starts automatically. If this is not the case, press the [Search](#) button.
2. As soon as a Bridge is found, select [Set up](#).
3. Connect the Bridge to the Hue app.
4. Accept the terms of use and press [Enable](#).

3.2 Light setup

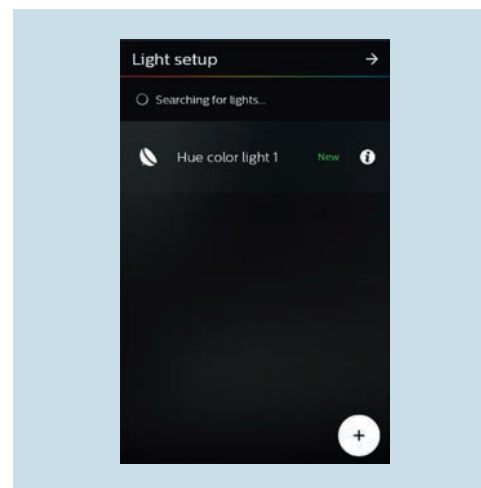
After you have connected the Bridge to the Hue app and you have accepted the terms of use, first make the light and room setup.



1. Use + to add new lamps to the network.



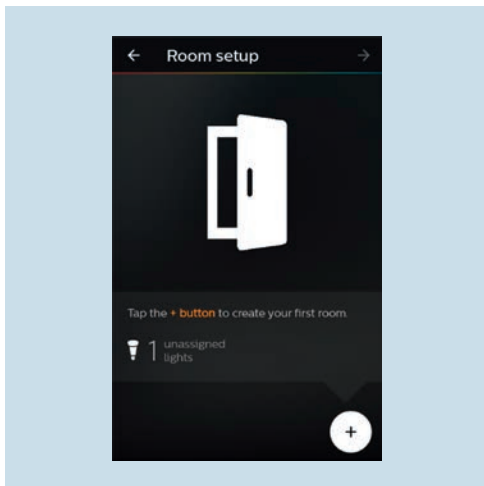
2. Select Search to open the network and to display the available lamps.



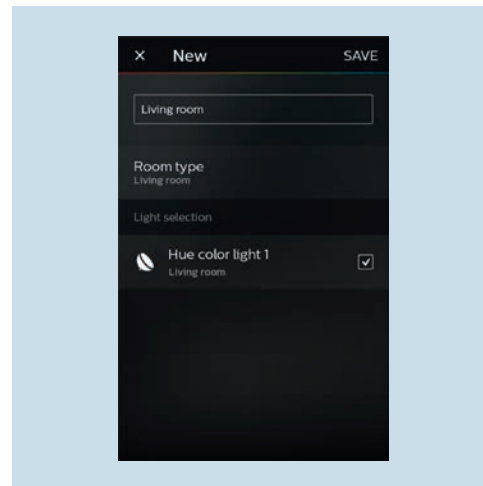
3. The list displays all available lamps. Confirm with → to continue with commissioning.

3.3 Room setup

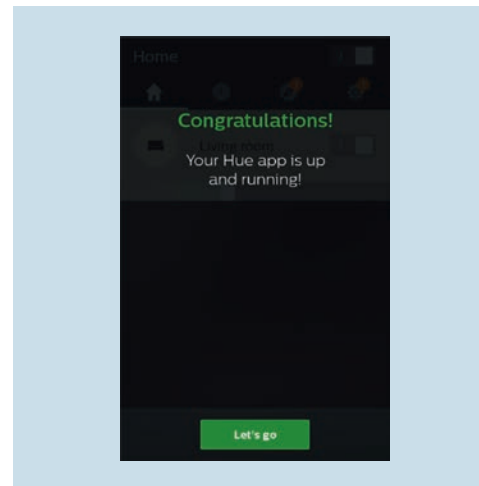
As soon as you have confirmed the selected lamps, you come automatically to the room settings.



1. Add your new rooms using +.



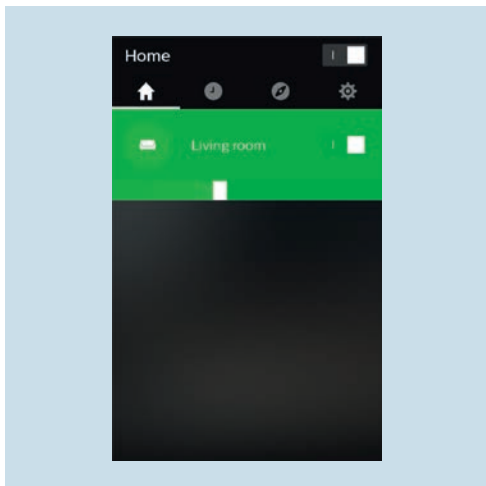
2. Name your room and specify the Room type. Use to add lamps to your room.
3. Save your configuration with Save.



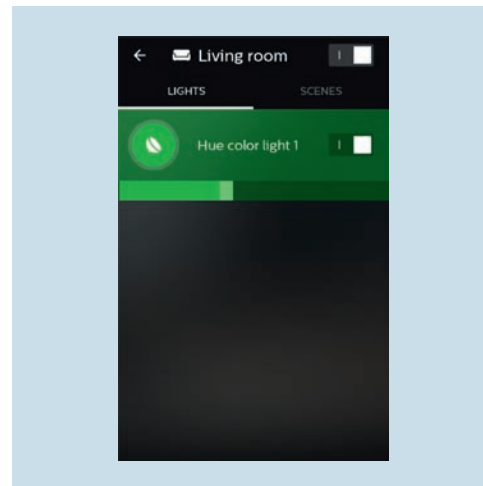
4. Setting up the Philips Hue is complete. Press Let's go to control your Philips Hue installation.

3.4 Setting brightness and colour

You can now set the brightness and colour of the lamps for each room.



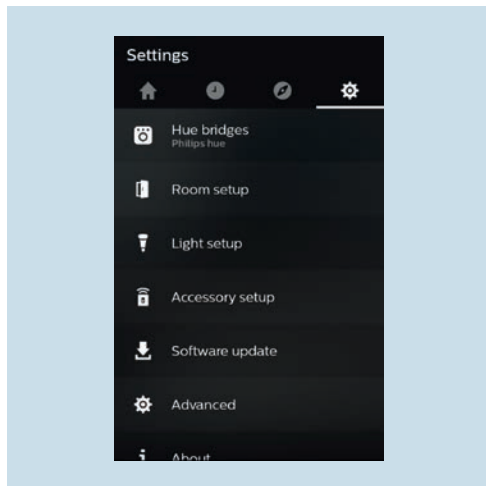
1. Using the [Home](#) menu, select the desired room.



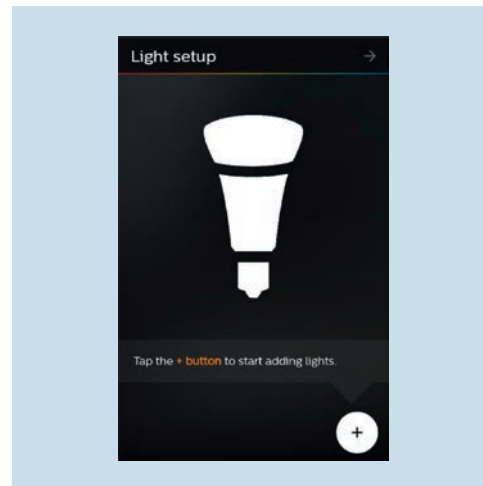
2. Set the [Brightness](#) and the [Colour](#) of the selected lamps to your requirements.

3.5 Adding additional lamps

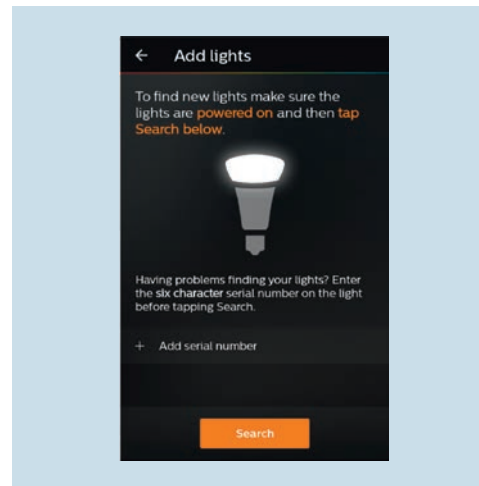
Check that all Philips Hue lamps are switched on.



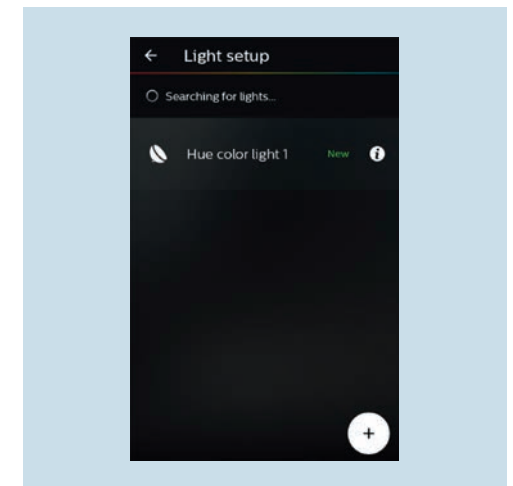
1. Select the [Light setup](#).



2. Use + to add new lamps to the network.



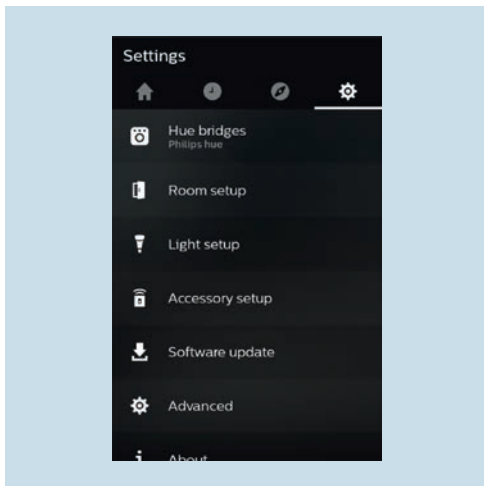
3. Select [Search](#) to open the network and to display the available lamps.



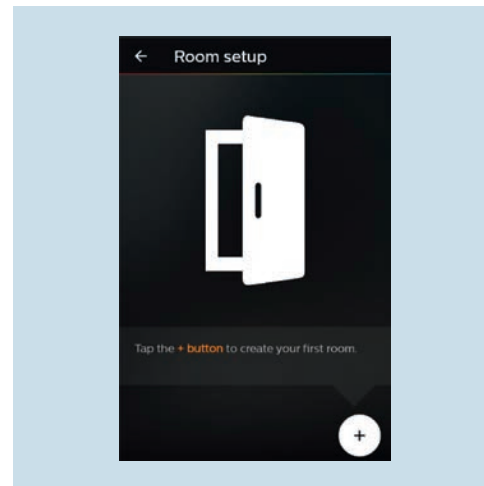
4. All accessible lamps are displayed in the list. Use + to restart the search.

3.6 Creating more rooms and allocating lamps

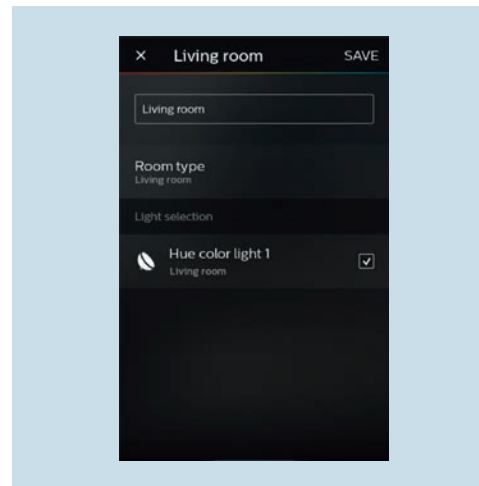
Now you can create one or more rooms where there are Philips Hue lamps.



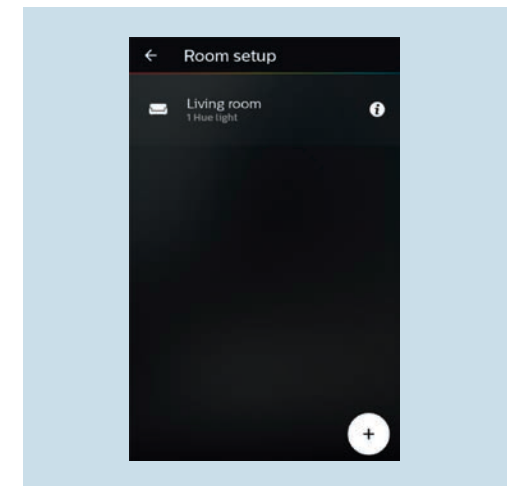
1. Select the [Room setup](#).



2. Add your new room using +.



3. Name your room and specify the [Room type](#). Use to add lamps to your room.
4. Save your configuration with [Save](#).

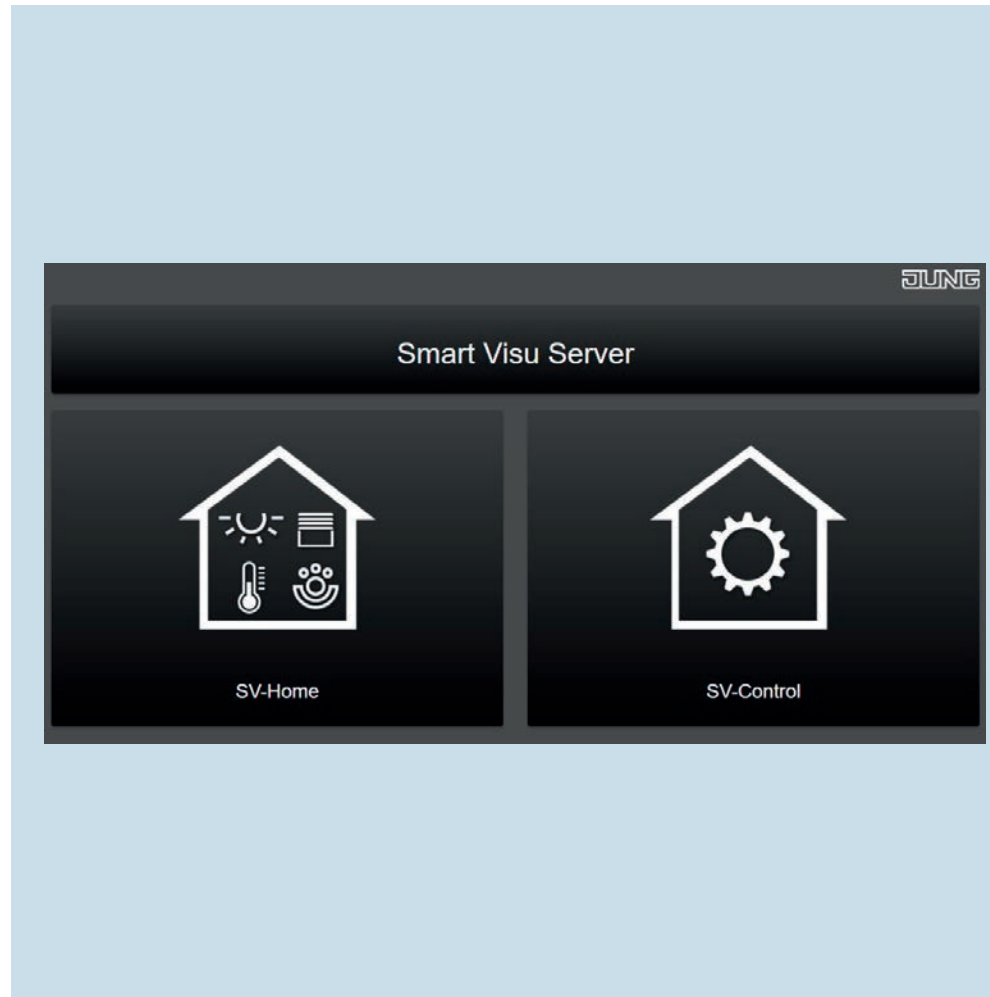


5. The list displays all rooms created. Add new rooms using +.

4. The Smart Visu Server

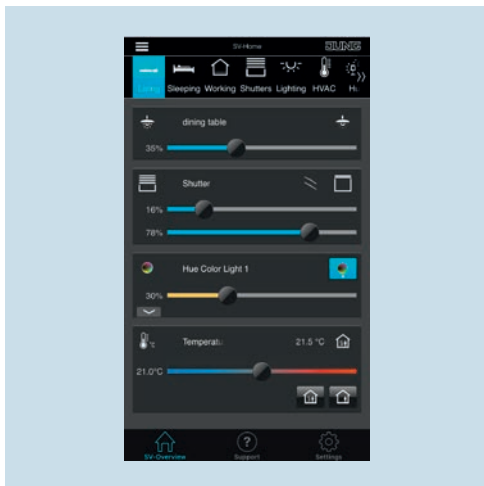
The Smart Visu (SV) Server gives you the choice of two different areas on the start page:

- SV-Home:
operation and visualisation
- SV-Control:
editing and setting

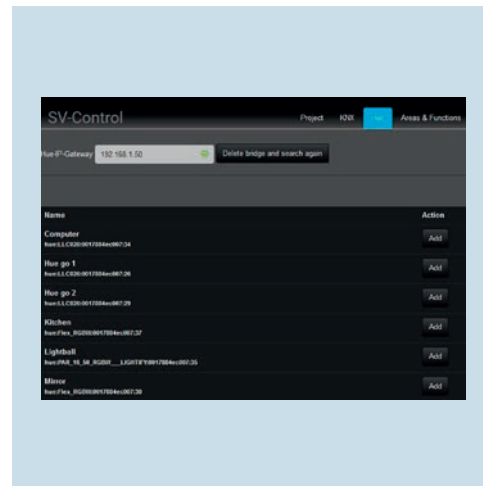


4.1 Functions of the Smart Visu Server

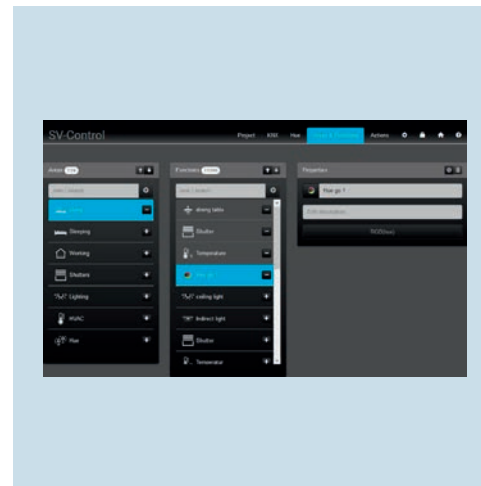
On this page you get a short overview of the functions of the SV Server. On the following pages you will find out how to commission the SV Server, make lamp settings and how to create actions.



SV-Home is the operating and visualisation interface with which you can operate your Hue lamps and make colour, brightness and ambiance settings for your rooms as well as calling actions (scenes).



In the **SV-Control** you can search for Hue lamps and add them to the SV Server (pair) and also remove them. Afterwards, you can edit the lamps and allocate them to their rooms.



Furthermore, in the **SV-Control** on the **Areas & Functions** tab, you can create functions such as switching and dimming for your lamps, blinds, etc.

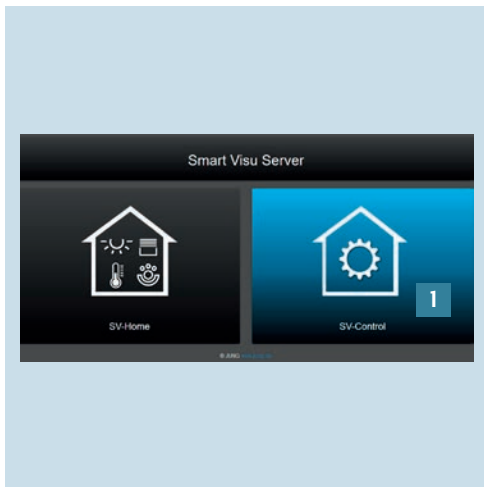


Using **SV-Control**, create actions in which, for example, lamps illuminate on specific days, at specific times, with a colour set by you.

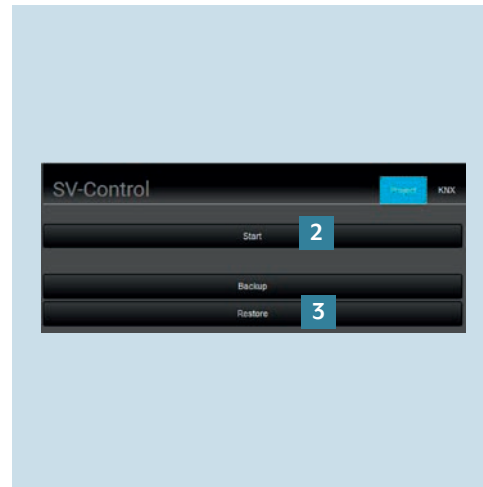
5. Commissioning Smart Visu Server

After you have started operating the Philips Hue System, connect the Smart Visu (SV) Server to your home network.

- Call the SV Server in the web browser of your end device (PC, laptop, tablet).
To do so, enter the address `http://sv-server.local` or the IP address of the SV Server allocated by the router.
- If the SV Server is protected by a password, enter this.



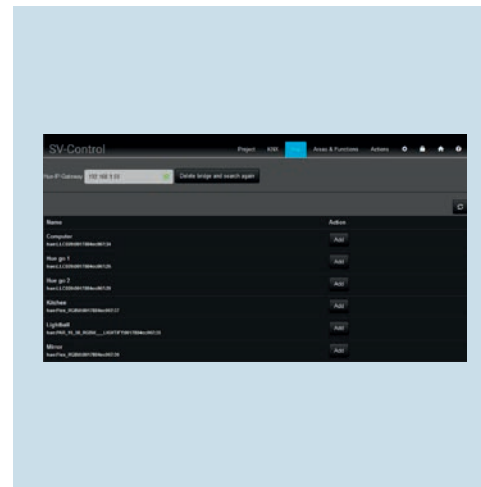
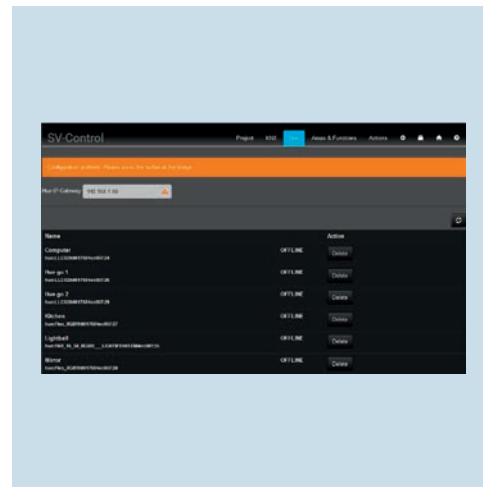
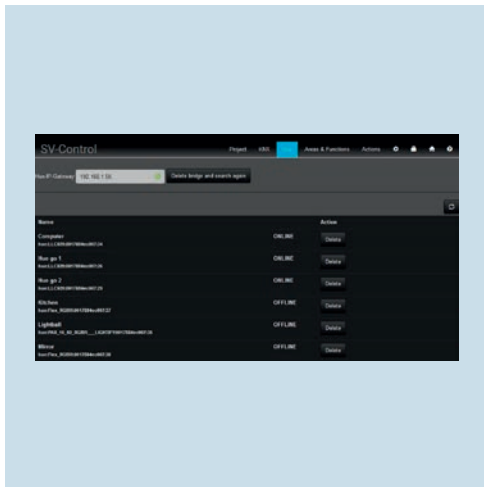
1. Select the [SV-Control](#) button [1].



2. Create a new project with [Start](#) [2] or import an existing one with [Restore](#) [3] and navigate to the Hue tab.

5.1 Configuration of a Hue application – general configuration

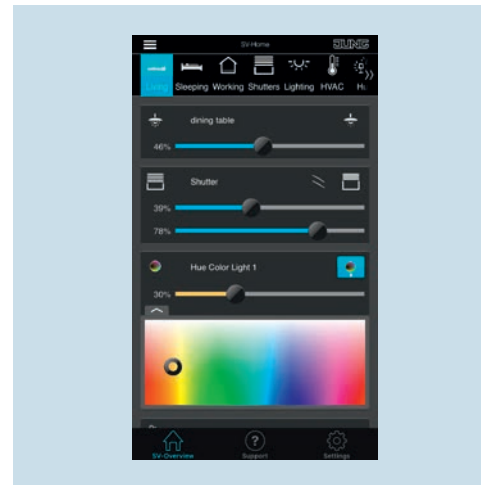
The following explains how to connect Philips Hue to the Smart Visu Server.



1. The SV Server automatically recognises the IP address of the Hue Bridge and displays it in the [Hue IP Gateway](#) field.
2. If the Bridge is not automatically recognised, enter the IP address manually or delete the Bridge and start the search again.
3. Select [Add](#) to pair lamps with the SV Server.

5.2 Editing the Hue lamps

You can now set the brightness and colours of your Hue lamps with the SV Server.



1. Select your **Hue lamp** [1] under **Areas & Functions**.

2. Create a **Room** [2] under **Areas & functions** and add the **Hue lamp** [3] to the selected room.

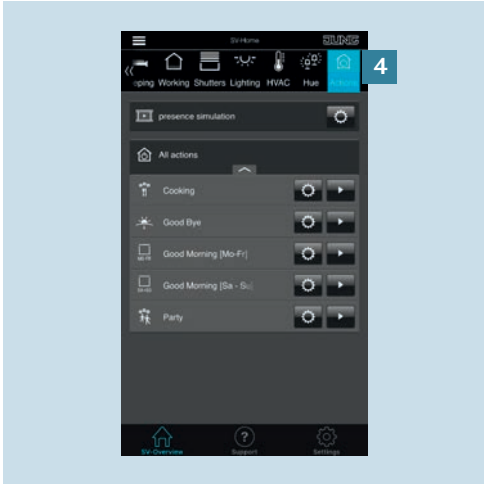
3. Control the Hue lamps in the SV Home according to your wishes.

6. Hue system and actions

The actions allow you to create scenes for the Hue system that are retrieved on a schedule, event or user basis. Two application examples are described.

6.1 “Good morning [Mo – Fr]” action

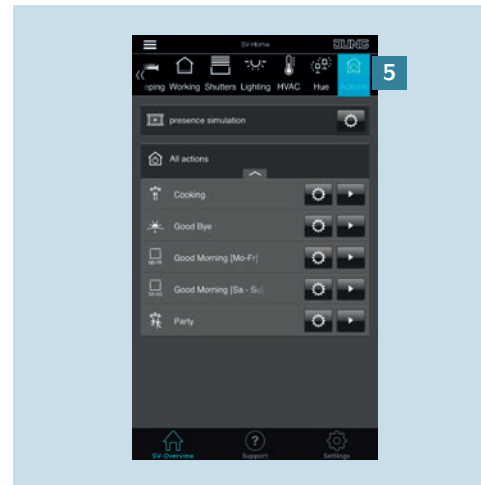
This action switches the lighting for your room at a specified time. In addition, a defined light colour is set for when the action is triggered.



- 1. Create the action in the **Actions** tab and select the time schedule action type. **Programme the timer** [1], e.g.:
 - Mo – Fr 07:00
 - Bedroom
- 2. Assign the **Action** to a **room (Area)**.
- 3. Add the appropriate **Functions (Hue lamps)** [2] to the action.
- 4. Set the desired **Ambiance** [3]. Select the colour, saturation and brightness in the colour area with the crosshairs.
- 5. After you have saved the action, it can be called in the SV-Home under **Actions** [4].

6.2 “Goodbye” action

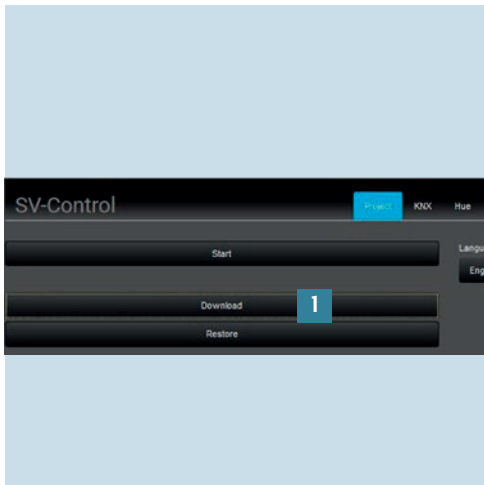
This action is to switch off all Hue lamps when leaving the apartment by pressing a button.



1. Create the action in the **Actions** tab, allocate the action as necessary to an area and select the type of action as **Event** [1].
2. Select an **Action trigger**. Here, for example, “Switch Good Bye” push-button and define the **state** for triggering the action: “**State OFF**” [2].
3. Add the appropriate **Functions** – here **Hue lamps** – [3] to the action.
4. Specify which **Status** the functions (Hue lamps) have when **triggered** [4], e.g.:
 - Lamp off
 - Brightness/dimming value 0 per cent
5. After you have saved the action, it can be called in the SV-Home under **Actions** [5] and via the KNX button.

7. Saving the project

Congratulations – Philips Hue has now been connected to the Smart Visu Server in accordance with the installation example and is set up. Don't forget to save your project data and activate access protection!



1. To save your project file, call SV-Control. Save the project and your configuration under [Download](#) [1] in the Project tab.
2. To reactivate the access protection for your system, call up the access control page with [lock icon](#) [2].
3. Enter the password and activate the protection by clicking on the [selected area](#) [3].

Smart Visu Server



How do I connect Sonos?

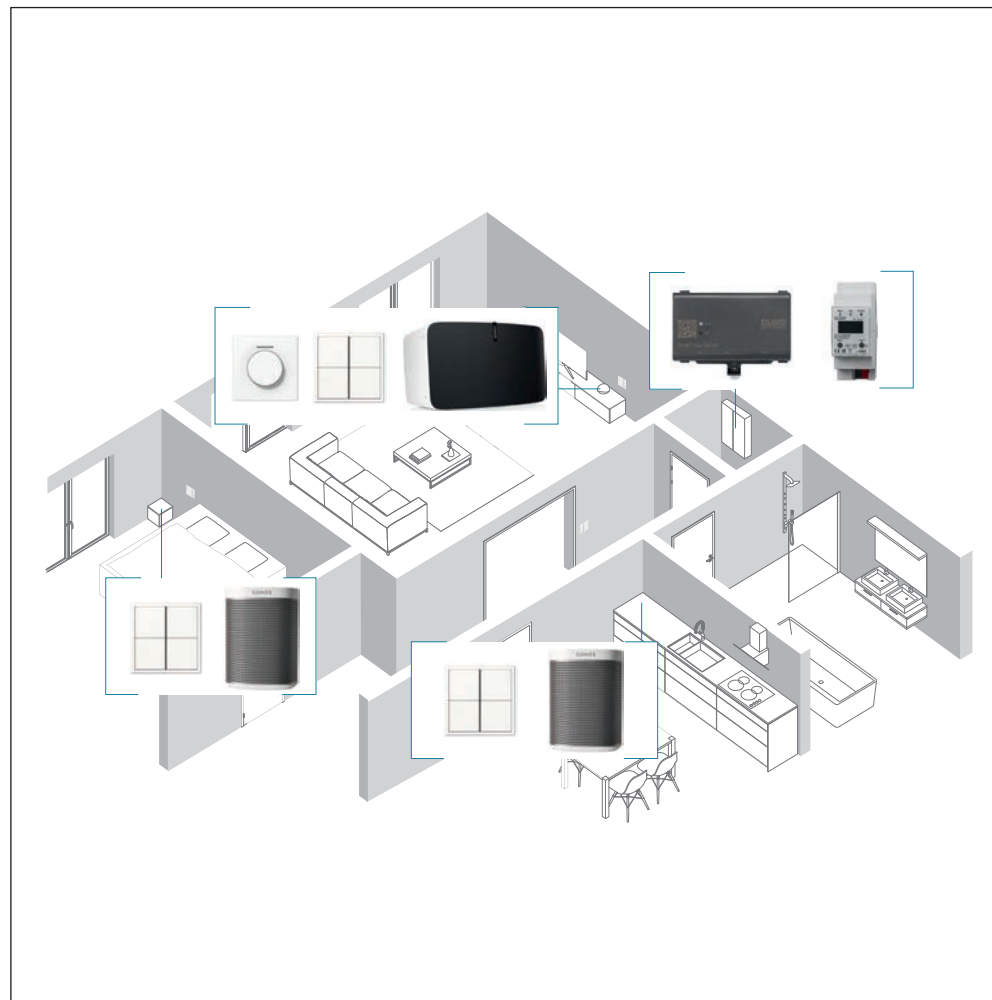
1. Introduction

Outstanding sound thanks to Sonos integration:

JUNG integrates the WLAN-based Home Sound System from Sonos into the Smart Visu Server – conveniently controllable via smartphone or Alexa voice control and directly connected without a separate gateway.

Ideally matched thanks to the KNX and Sonos coupling: adjust the volume of Sonos via KNX rotary sensors or KNX push-button modules.

This quick start guide explains the individual setting-up steps using an example.



COMPONENTS JUNG	REFERENCE NO:	QUAN- TITY
Smart Visu Server	SV-Server	1
KNX IP interface	IPS 300 SREG	1
KNX rotary sensor	DS 4092 TS	1
KNX Universal push-button mod- ule, 4-gang	4194 TSM	3

COMPONENTS SONOS	REFERENCE NO:	QUAN- TITY
Sonos Play: 5	–	1
Sonos Play: 1	–	2

2. Overview

Sonos can be integrated into your JUNG Smart Visu Server with just a few steps.

The table here gives an overview of the necessary steps.

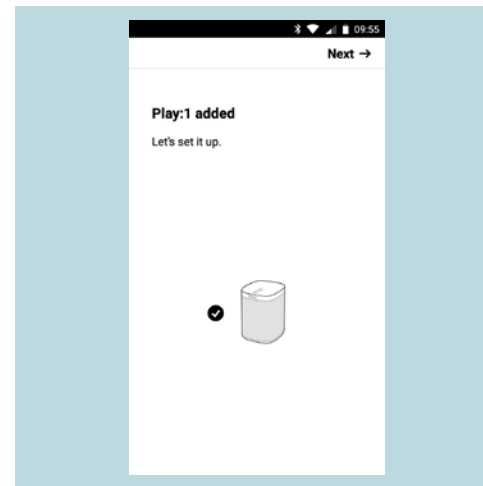
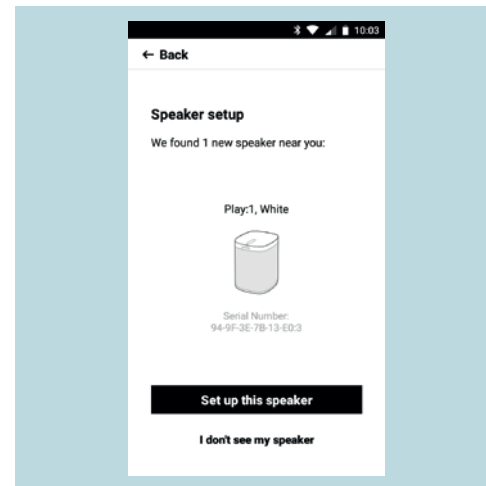
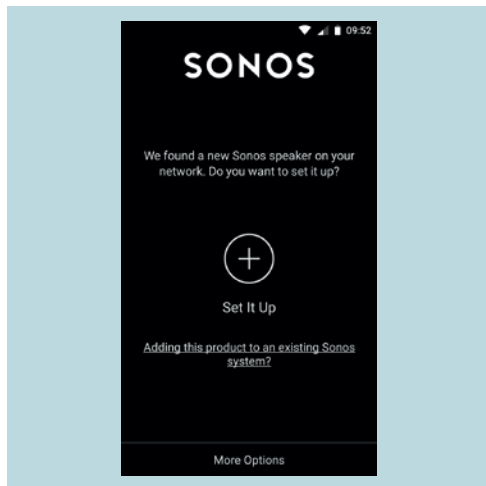
The individual steps are described in detail on the following pages.

STEP	PAGE
1. Commissioning Sonos	4
2. Connect the Smart Visu Server to the IP network	6
3. Connect Sonos to Smart Visu Server	11
4. Connect loudspeaker to KNX rotary sensor	13
5. Connect loudspeaker to KNX push-button sensor	15
6. Configure party mode	16
7. Save project	18

3. Commissioning Sonos

Install the Sonos app ([Android](#) / [iOS](#) / [Windows](#)) on your smartphone, tablet or PC and then use the app to set up your Sonos devices. The following pages are based on the Sonos app for smartphones with Android operating system.

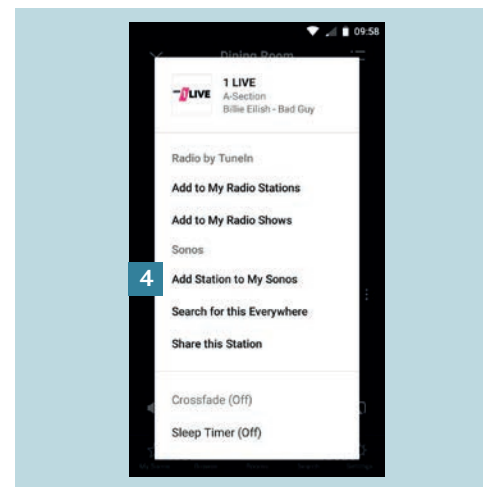
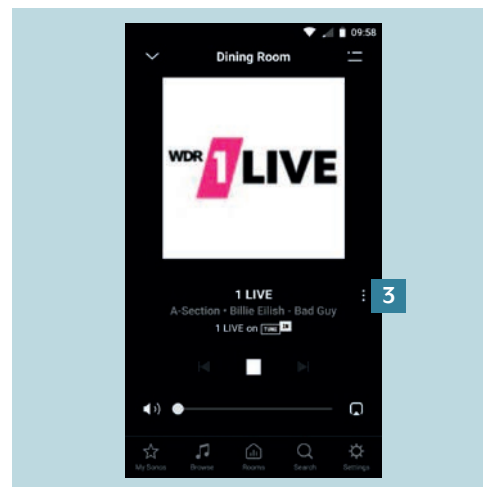
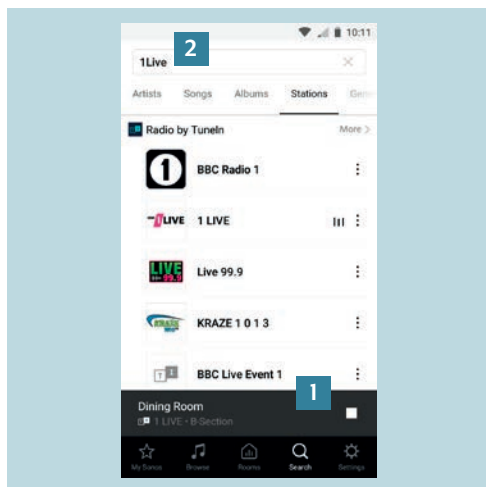
Note: No Sonos device has been set up in the normal case for the first start-up. Follow the instructions of the app.



1. Open the Sonos app ([Controller](#)).
2. Set up your Sonos loudspeaker.
3. The app automatically guides you through the set-up process.

3.1 My Sonos

Using [My Sonos](#) in the Sonos app, you can set radio stations, tracks or playlists as favourites for your Sonos system. This is required for further commissioning and enables quick access to your favourite music.

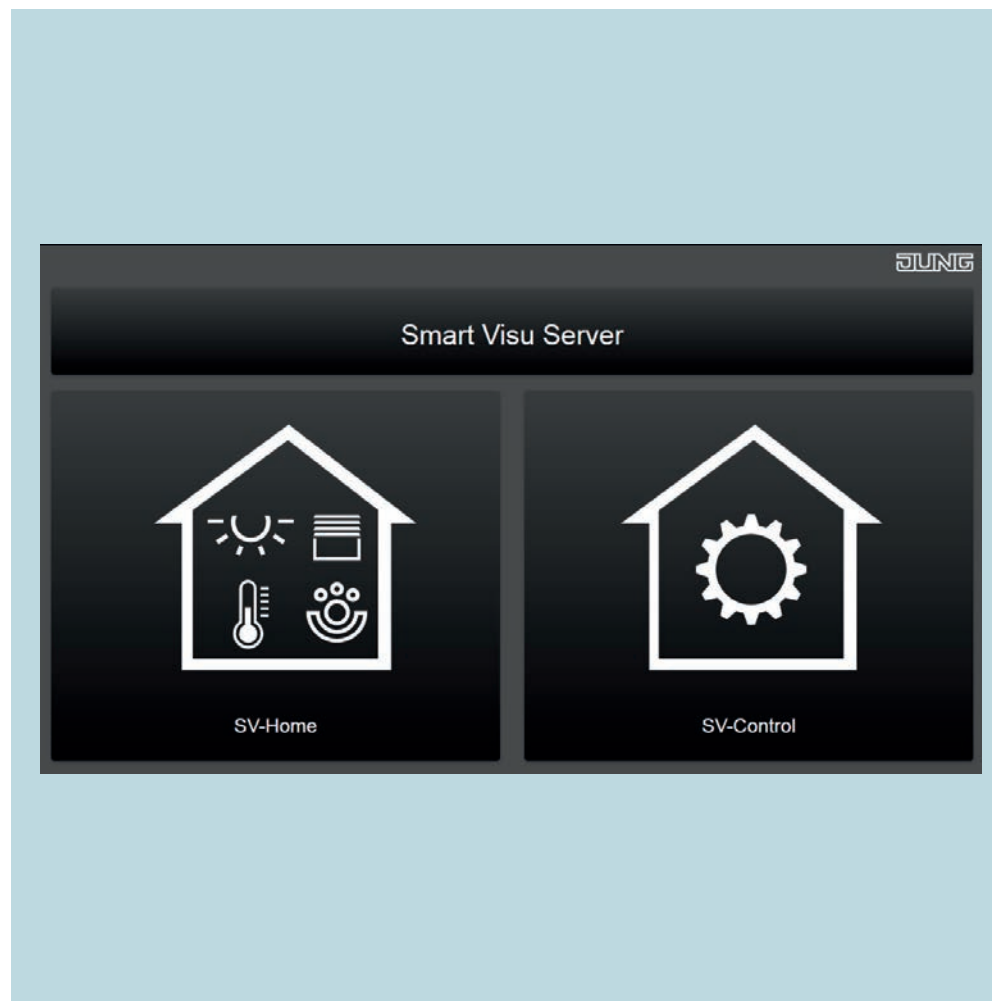


1. Tap / click on [Search](#) in the Sonos app to add a radio station [1]. Then enter the name of the station [2].
2. In this example, you can see the playback of a radio station via Tune-In. You can add the radio station to your Favourites using the menu on the right ⋮ [3].
3. You can save the radio station in your Favourites via the [Add station to "My Sonos"](#) pop-up menu [4].
4. You can proceed analogously for playlists and tracks.

4. The Smart Visu Server

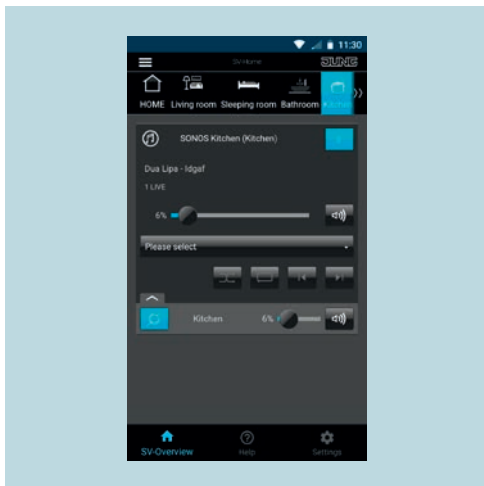
The Smart Visu (SV) Server gives you the choice of two different areas on the start page:

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operation and visualisation
- SV-Control:
editing and setting

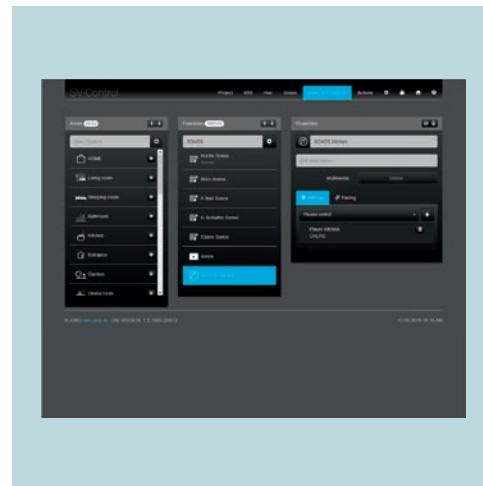


4.1 Functions of the Smart Visu Server

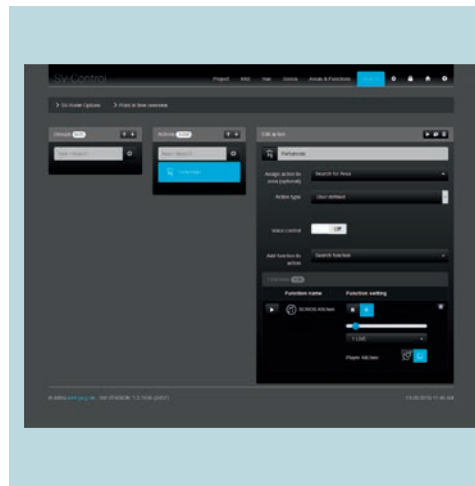
On this page you get a short overview of the functions of the SV-Server. On the following pages you will find out how to commission the SV-Server, to create areas and functions and to create a presence simulation with actions and groups.



In **SV-Home**, you can set the volume of your Sonos devices in the respective rooms, start and stop play, select play-lists and tracks and combine multiple devices.



In **SV-Control**, you create your rooms with **Areas & functions** and allocate your Sonos devices to the rooms.

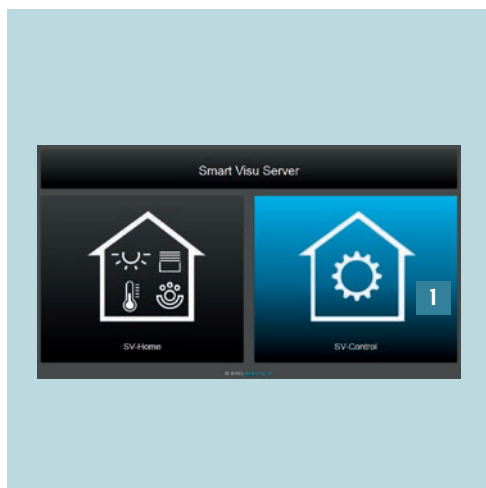


Using **SV-Control**, create actions by, for example, having your Sonos device playing music on specific days, at specific times at a volume set by you.

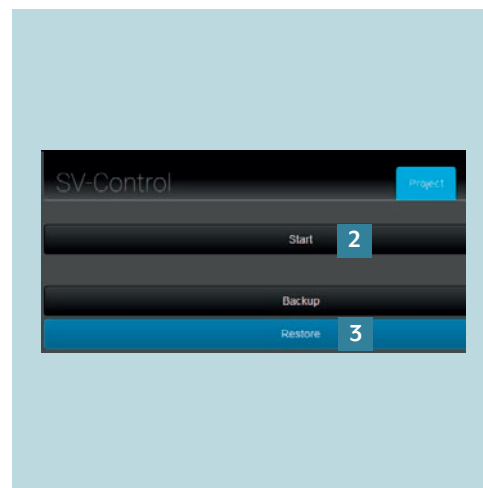
5. SV-Server commissioning

Integrate the Smart Visu (SV) Server in your home network.

- Call the SV-Server via the web browser of your terminal device (PC, laptop, tablet).
To do so, enter the address <http://sv-server.local> or the IP address of the SV-Server allocated by the router in the web browser.
- If the SV-Server is protected by a password, enter this.



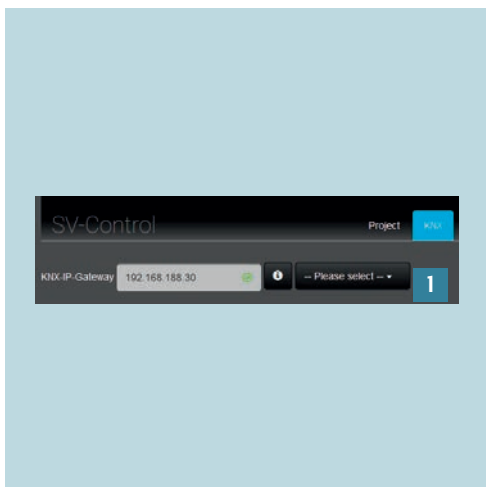
1. Select the **SV-Control** button [1].



2. Create a new project with **Start** [2] or import an existing one with **Restore** [3] and navigate to the **KNX** tab.

5.1 KNX – general configuration

The individual steps for connecting your KNX system to the Smart Visu Server are explained below.



1. Select the address of your IP interface in the **KNX** tab under **KNX-IP-Gateway** [1].

You can recognise a successful connection by the **green tick**.



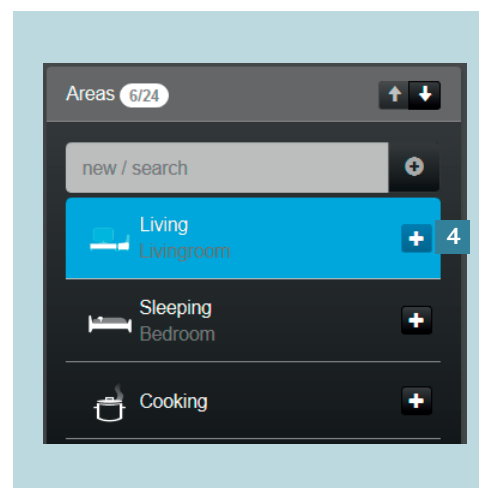
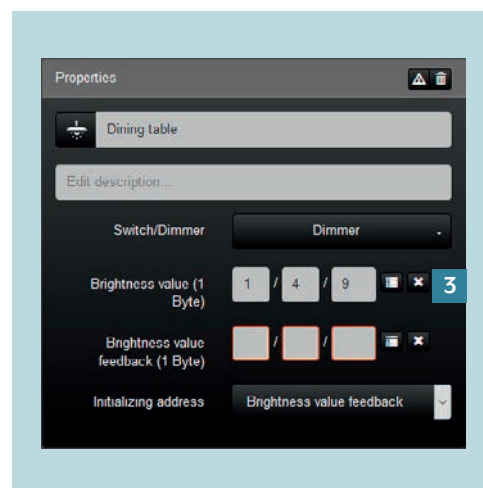
2. Import the KNX group addresses of your project using the **Import** button [2].

Newly added group addresses are marked in green.

5.2 Areas & functions

You can now create and allocate rooms and create functions on the [Areas and Functions](#) tab.

Note: The following is based on a configured system with already created functions and rooms.



1. You can create rooms (areas) [1] and functions [2] in the [Areas & Functions](#) tab.

2. Allocate the appropriate [group addresses](#) [3] to the function.

3. With +, you allocate the function to an area in SV-Home [4].

6. Prepare KNX and Sonos

6.1 Configuration of the JUNG KNX Sonos Gateway with the Engineering Tool Software (ETS)

Download the appropriate product databases for the JUNG KNX rotary sensor ([DS 4092 TS](#)) and the JUNG KNX push-button module ([4194 TSM](#)) for the ETS to control your Sonos system with KNX control points. The following examples show you how to prepare the control of volume as well as playback and pause of your Sonos loudspeaker with the JUNG KNX control elements within the ETS.

Name	Object Function	Data Type
Rotary knob - output	Value	percentage (0..100%)
Extension input 3 - output	Switching object...	switch

Name ^	Object Function	Data Type
Rocker 1	Switching	switch
Rocker 1	Dimming	dimming control

Example: rotary sensor

Rotary knob (RK)

- Function – [encoder \(1 byte\)](#)
- Functionality – [encoder 0...100%](#)

Push button (PB)

- Function – [switching](#)
- Command when pressing the button – [UM](#)

Example: universal push-button sensor, 4-gang Rocker function (rocker 1):

- Function – [dimming](#) (default values)

Now create the following group addresses and connect these to the KNX devices:

SETTING	OBJECT FUNCTION	DEVICE
Play/Pause (1-bit)	Switching	Push button + rocker 1
Volume (1 byte)	Value	Rotary knob
Volume (4-bit)	Dimming	Rocker 1

7. Connect Sonos to your Smart Visu Server

Ensure that all loudspeakers are in the same network as your Smart Visu Server for a successful connection between KNX and Sonos. Your SV-Server automatically detects the available Sonos loudspeakers.

7.1 Add loudspeakers, group function and connect to KNX

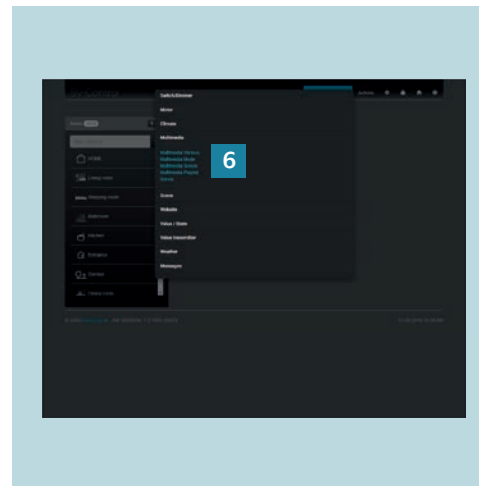
The following example shows you how to add your Sonos loudspeakers, create dynamic Sonos groups and connect them to KNX.



1. Navigate to the **Sonos** tab [1].
2. If your Sonos loudspeaker has been correctly set up and connected to your home network (W)LAN, the device will be shown in the list [2].
3. Use **+** to connect the Sonos loudspeaker to your SV-Server [3].



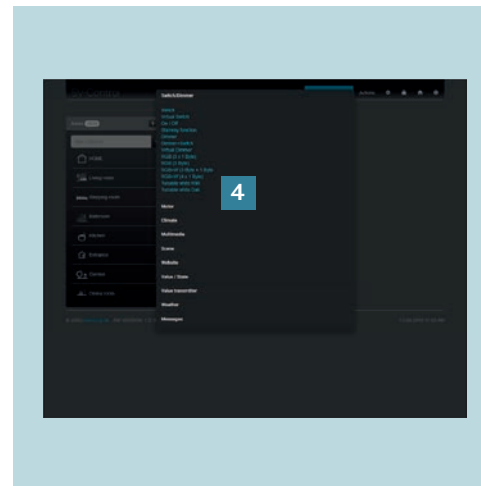
4. Under **Areas & Functions** [4], select an area (room) that you would like to add to your Sonos loudspeaker or Sonos group.
5. Create the name for your Sonos loudspeaker or Sonos group, for example, **Sonos Kitchen**, under **Functions** [5].



6. Select the function type **Multimedia Sonos** [6].

7.2 Connect loudspeaker to KNX rotary sensor (step 1 of 2)

The following steps help you with the set-up for controlling Sonos with the KNX rotary sensor.



1. In the **Properties**, under **Settings**, select and add your desired Sonos loudspeaker from the drop-down list [1]. You can assign multiple loudspeakers here using the dynamic group function.
2. Create a function for the **KNX rotary sensor**. Select the area **Kitchen** [2], assign a name e.g. **KNX -> Sonos Kitchen (rotary sensor)** [3].
3. Then select the function type **Dimmer + Switch** [4].


7.2 Connect loudspeaker to KNX rotary sensor (step 2 of 2)



4. Under **Settings**, enter the previously created KNX group addresses for the **Dimmer+Switch** function [1].
- Play/Pause (1-bit) > switch > push button
 - Volume (1 byte) > value > rotary knob

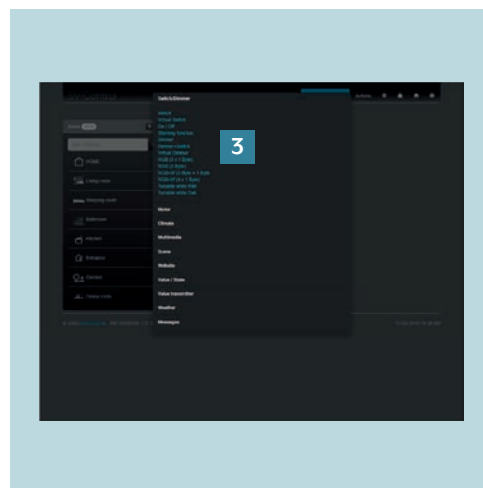
The list selection [2] on the right next to the input fields shows you all suitable group addresses of the installation [3].

5. Navigate to the **Coupling** tab [4].

6. Now connect (couple) the KNX group addresses to the Sonos loudspeaker or the Sonos group (Kitchen) [5].
7. Ensure that the Master button  [6] is activated for all Sonos loudspeakers in this group.

7.3 Connect loudspeaker to KNX push-button sensor (step 1 of 2)

The following steps help you with the set-up for controlling Sonos with the KNX push-button sensor.



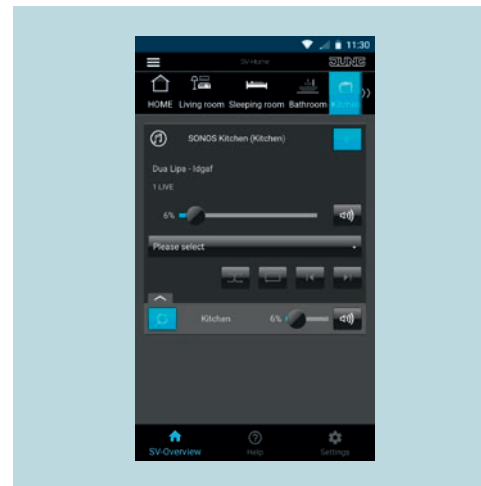
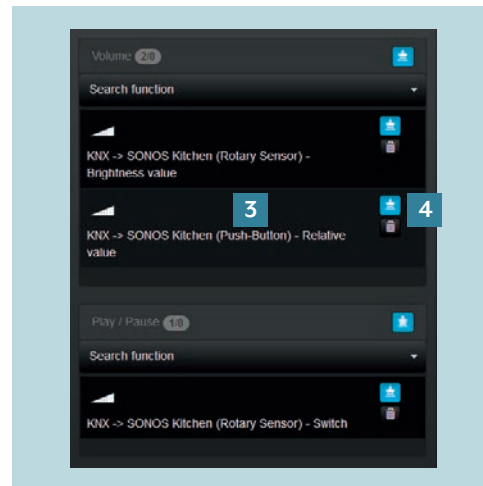
1. Create a function for the KNX push-button sensor. Select the area **Kitchen** [1], assign a name e.g. **KNX -> Sonos Kitchen (push-button)** [2].

2. Select the function type **Virtual Dimmer** [3].


3. Under **Settings**, enter the previously created KNX group addresses for the **Virtual Dimmer** function [4]. If necessary, use the list function on the right next to the input field.

■ **Volume (4-bit) > dim > rocker 1.**

7.3 Connect loudspeaker to KNX push-button sensor (step 2 of 2)



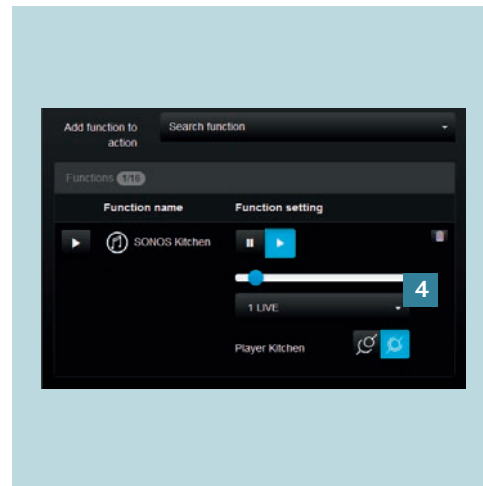
4. Switch back to the Sonos loudspeaker (Sonos Kitchen) [1].
5. All coupled KNX group addresses with which you can operate your Sonos loudspeaker are now displayed under **Coupling** [2].

6. Now add the function **Virtual Dimmer** or **KNX > Sonos Kitchen (push-button)** for control of the volume [3].
7. Ensure that the Master button  is activated [4].

The picture shows the Sonos control in SV-Home. You can now conveniently control your favourite music via the JUNG KNX rotary sensor, KNX push button sensor and on the move via SV-Server app.

8. “Party mode” action

This action shows you how to combine multiple Sonos devices for a party across rooms and supply them from one music source. Create an individual multi-room experience for your party.

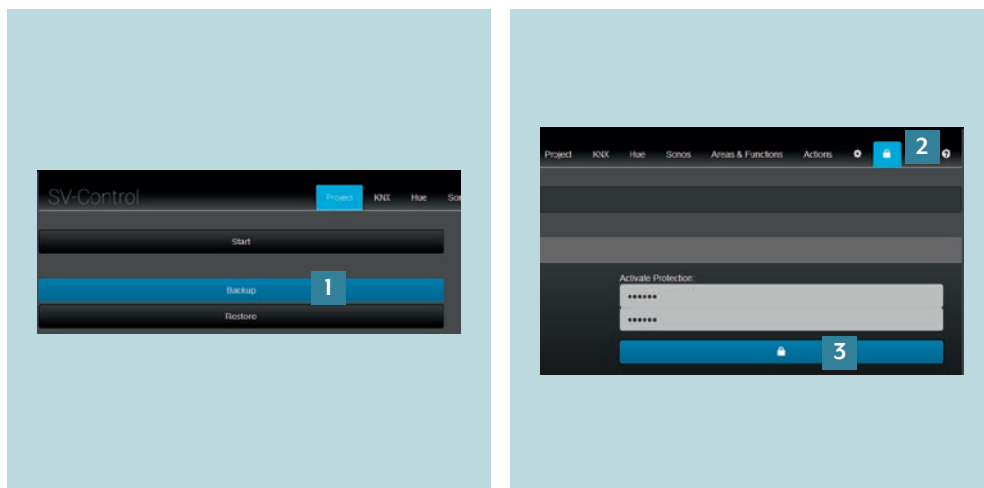



1. Create the “Party mode” action [2] in the **Actions** tab [1].
2. Allocate the action as necessary to an area and select the type of action as **User-defined** [3].
3. Add the functions to the action with **Add function to action**. Select the **Sonos groups** or loudspeakers here that you would like to control using the action.
You can couple and decouple individual groups and loudspeakers, and adjust the volume and the playback source.
4. Under **Actions** [5] in **SV-Home**, activate the action using ▶ [6].

9. Saving the project

Congratulations – you now know how to connect and operate Sonos with your KNX installation via SV-Server without an additional gateway.

Do not forget to backup your project data and activate the access protection!



1. Call SV-Control to backup your project file. Save the project and your configuration under **Backup** [1] in the Project tab.
2. To reactivate the access protection for your system, call the access protection page using  [2].
3. Enter the password and activate the protection by clicking on the **selected area** [3].

Smart Visu Server



How do I connect Amazon Alexa?

1. Introduction

Using the Alexa skill “JUNG Smart Visu Server” you can control all functions and actions created in the SV Server in your home via voice command.

This quick guide explains the individual steps using an example.

COMMUNICATION MODEL



2. Overview

Your JUNG Smart Visu Server created functions and actions leave through a simple Alexa skill with an Amazon Alexa.

The table here gives an overview of the necessary steps.

The individual steps are described in detail on the following pages.

STEP	PAGE
1. Commissioning of Smart Visu Server.	4
2. Activation of the MyJUNG account in the SV server.	5
3. Activating voice control	6
4. Activation JUNG Smart Visu Server Skill	7
5. Voice commands	8

3. Commissioning Smart Visu Server

The first step is to install the current software version on your Smart Visu Server. This ensures that all functions of the Smart Visu Server are always available to you.

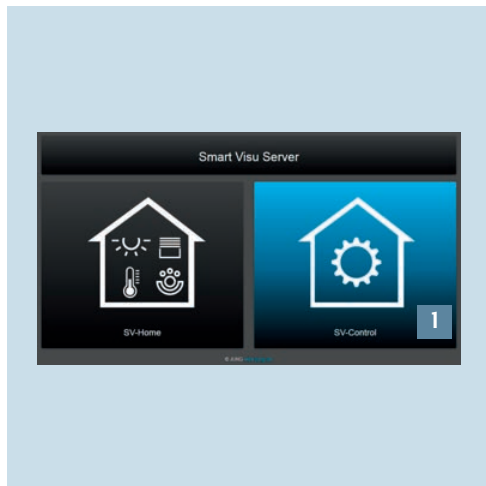


1. Install the [SV Server software](#) (version 1.2.1550) on your SV Server and register free of charge at [MyJUNG](#) on the JUNG homepage.

4. Activation of the MyJUNG account in the SV Server

After you have registered with MyJUNG, log in the account on your Smart Visu Server.

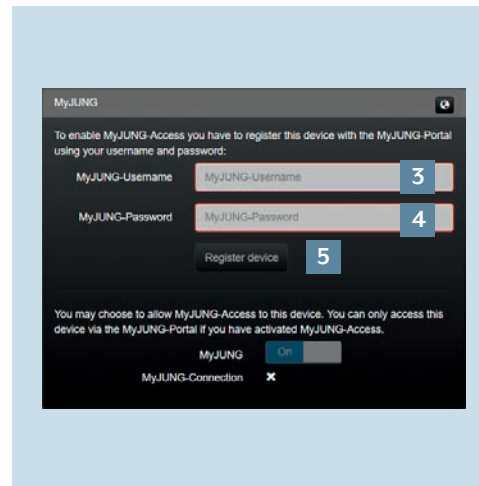
- Call up the SV Server via the web browser of your device (PC, laptop, tablet). To do this, enter the address `http://sv-server.local` or the IP address of the SV Server assigned by the router in the web browser.
- If the SV Server is password protected, enter the password.



1. Select the *SV-Control* button [1].



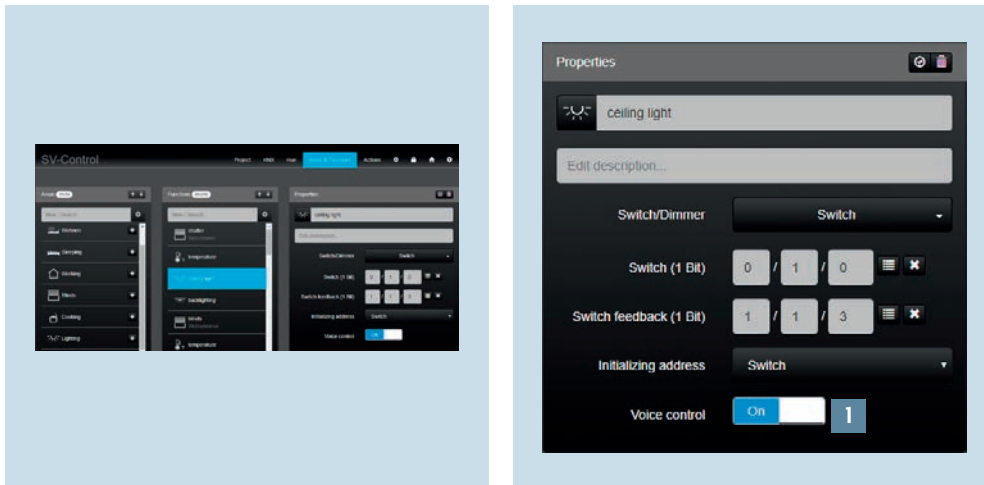
2. Navigate to *Configuration Management* [2] in the SV-Control.



3. Enter your *username* [3] and your associated *password* [4]. Confirm with the button *Register device* [5].

5. Activating voice control

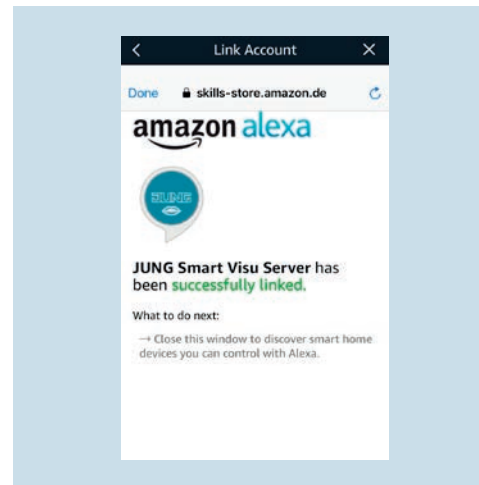
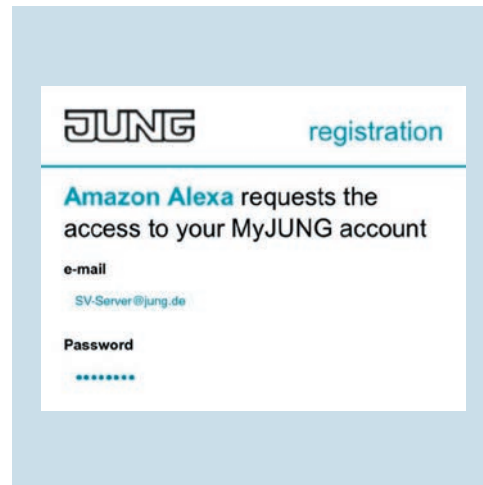
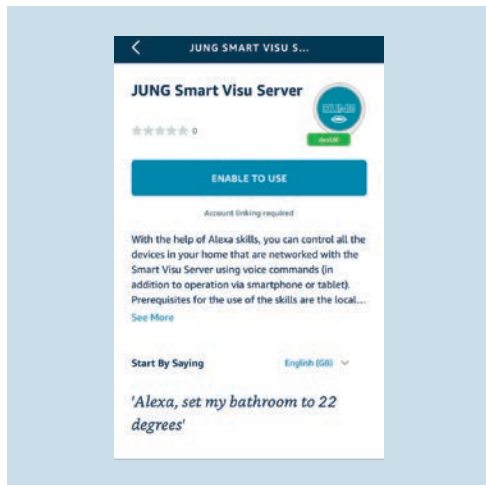
To activate voice function, navigate to [Areas & Functions](#) in SV-Control.



1. In the [Areas & Functions](#) tab, select the function that is to be operated via voice control.
2. Adjust the slider on the [Voice control](#) [1] to On.

6. Activation JUNG Smart Visu Server Skill

Finally, connect the Smart Visu Server to your MyJUNG account.



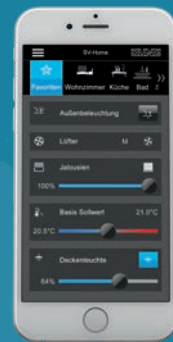
1. Search in the [Amazon Alexa App](#) for the [Smart Visu Server Skill](#).
2. Activate the skill by entering your [MyJUNG](#) login data and connect to your JUNG Smart Visu Server.
3. We did it! All you have to do now is search for your devices.

7. Voice commands

Once you have completed the setup, you can use the Smart Visu Server with Amazon Alexa. Below you will find some examples of possible voice commands.

TYP	FUNCTION	EXAMPLE
Switch / Dimmer	Switch	Turn the light on / off
	On / Off	Switch all off
	Dimmer	Set light to 20 % Increase / decrease light by 20 % Dim light brighter / darker
	Dimmer + Switch	Set light to 20 % Increase / decrease light by 20 % Dim light bright / darker Turn the light on
	RGB (W)	Set light to red Set light shine in blue Turn the light on / off
	Tuneable White	Set light to 20 % Increase / decrease light by 20 % Dim light brighter / darker Turn the light on
Motor	Rollershutter / Awning	Set shutter to 20 %
	Venetian blinds	
Climate	Base setpoint	Set my living room to 22 degrees.
	Setpoint shift	Increase my living room by 2 degrees.
	HVAC group	
Scene	Scene	Activate TV-Mood
Actions		

Smart Visu Server

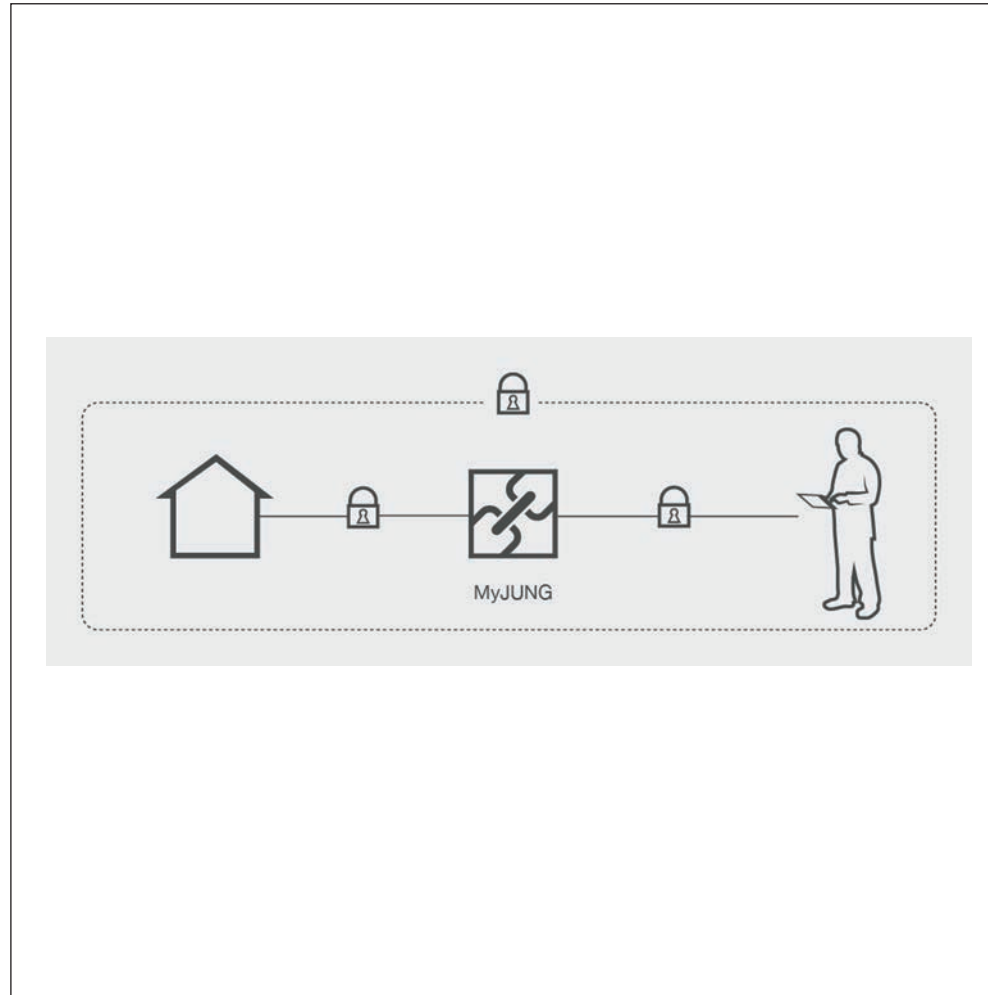


How do I set up remote access?

1. Introduction

Convenient and secure remote access:
With the remote access of the SV server, you can visualise, control and adapt your home system to your requirements at any time and from any location.

This quick start guide explains the individual steps of commissioning and operation using an example.



COMPONENTS JUNG	PART NO:	QUAN- TITY
Smart Visu Server	SV-SERVER	1
Remote subscription	SV-SERVER-LI2	1

2. Overview

The MyJUNG remote access for your SV Server can be set up in a few steps.

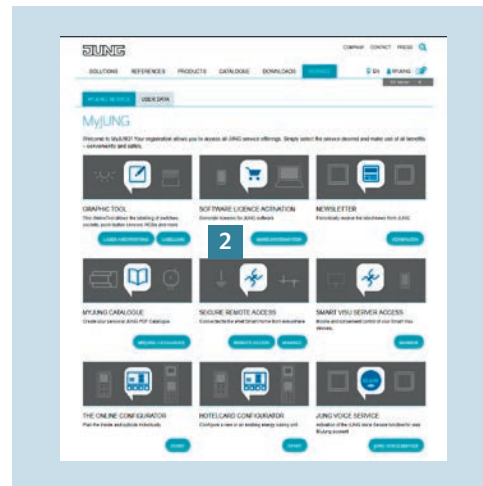
The table here gives an overview of the necessary steps.

The individual steps are described in detail on the following pages.

STEP	PAGE
1. Register at the MyJUNG portal	4
2. Purchase remote access for your Smart Visu Server	5
3. Call Smart Visu Server locally via web browser	6
4. Open SV Control and register device	7
5. Activate remote access via MyJUNG portal	8
6. Set up remote access on terminal devices (Windows PC, Android or iOS device)	9

3. Activation of the remote access using the MyJUNG portal

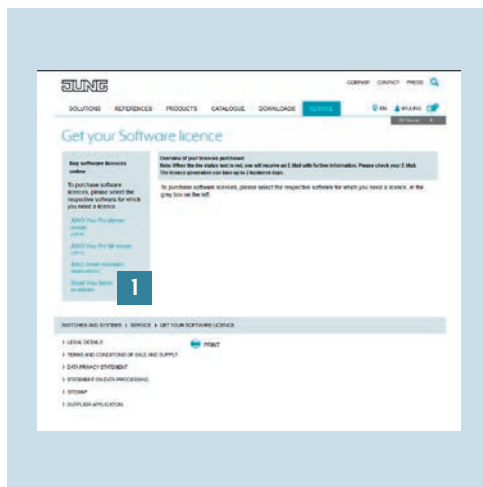
First, open the MyJUNG portal on the JUNG website.



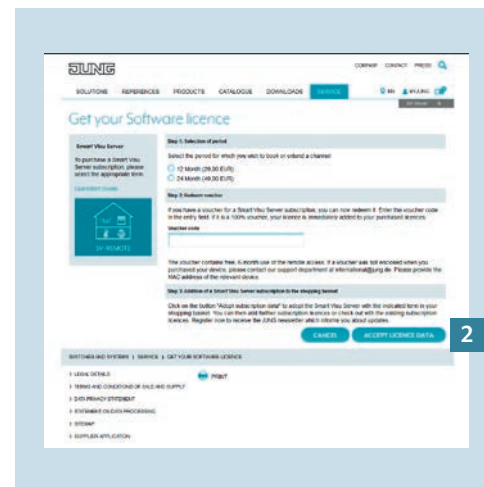
1. Log in to the MyJUNG portal or register as a new user [1].
2. Select More Information [2] in the Software Licence Sales selection field to purchase a remote access license.

3.1 Licence purchase

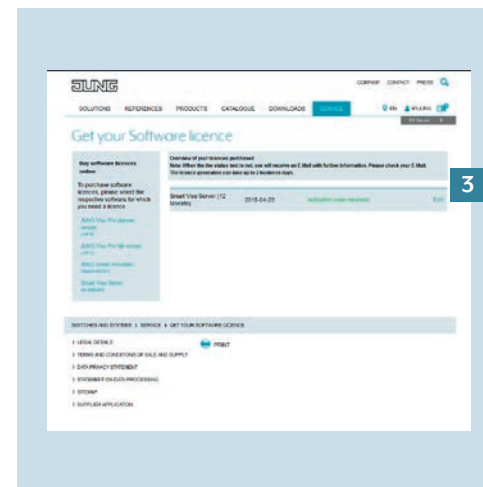
You see the products for which you can purchase additional software or licences in [Software Licence Sales](#).



1. Select the licence purchase for [Smart Visu Server](#) [1] in [Software Licence Sales](#).



2. Purchase remote access for 12 or 24 months or enter a voucher code. Confirm the licence purchase with [Accept licence data](#) [2].

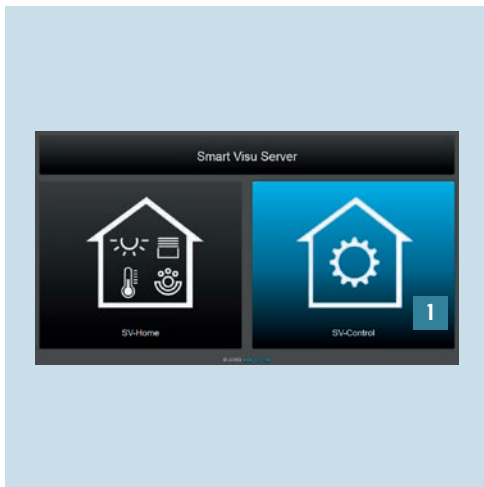


3. The following overview shows your purchased [Licences](#) [3].

4. Activation of the remote access in Smart Visu Server

After you have purchased a licence, now activate the remote access on your Smart Visu Server.

- Call the SV Server in the web browser of your terminal device (PC, laptop, tablet).
To do so, enter the address `http://sv-server.local` or the IP address of the SV Server allocated by the router.
- If the SV Server is protected by a password, enter this.



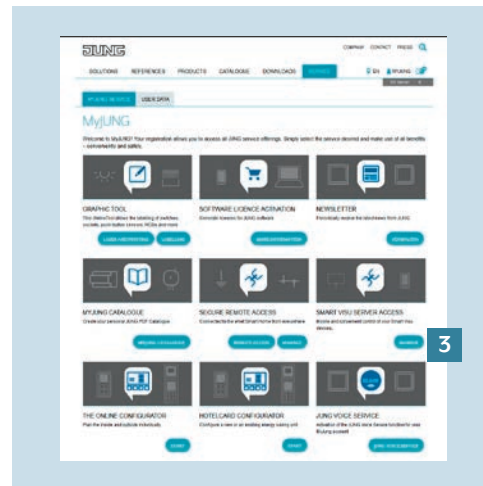
1. Select the [SV Control](#) button [1].



2. Navigate in SV Control to the [Configuration Management](#) tab [2].

4.1 Register device

Register your device in the [Configuration Management](#) tab. Log in to MyJUNG with your user data for the final activation.

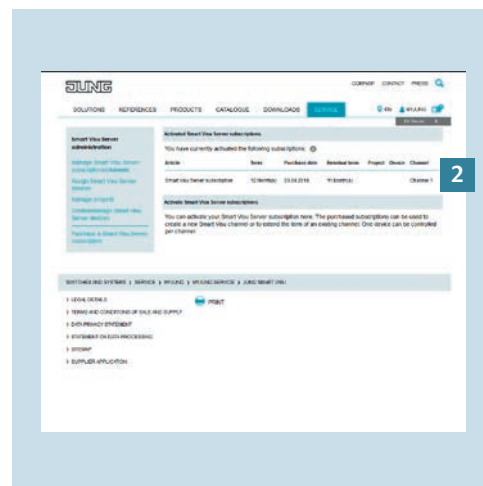
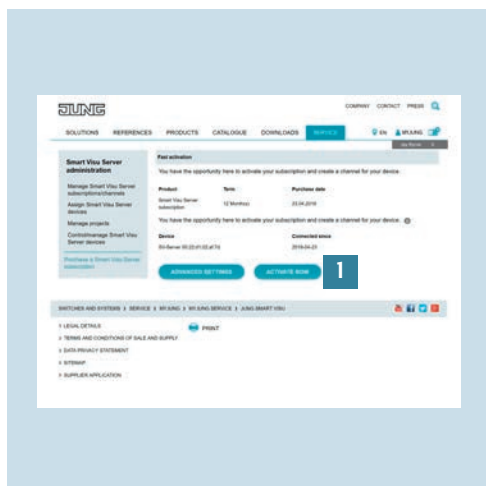


1. Enter your [user name](#) and the associated [password](#) [1]. Then confirm the input by clicking on the [Register device](#) button [2].

2. In MyJUNG, click on the [Manage](#) button in the [Smart Visu Server Remote Access](#) selection field [3].

4.2 Activate remote access

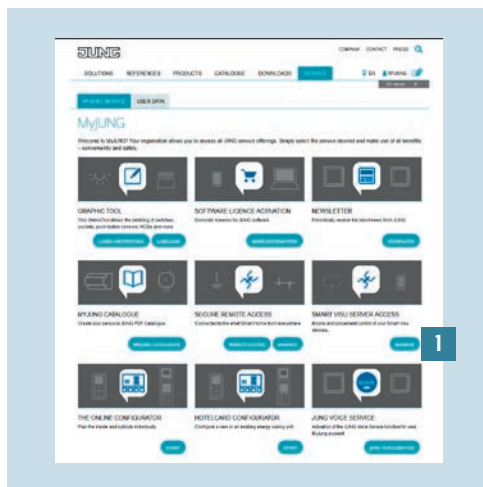
The activation of remote access is performed in the following steps.



1. Activate the remote access by clicking on the [Activate Now](#) button [1].
2. There you see important information about your [MyJUNG remote access](#) [2].

4.3 Remote access using PC

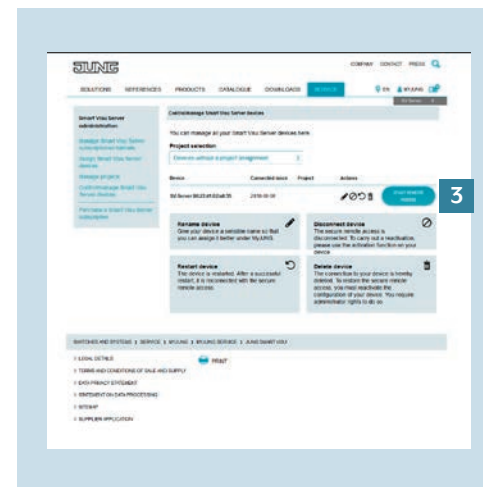
The control of your home system via remote access is secure and platform-independent. The following pages describe how to set up remote access for your SV server with various terminal devices, starting with a PC.



1. Click on the [Manage](#) button [1] in the [Smart Visu Server Access](#) selection field.



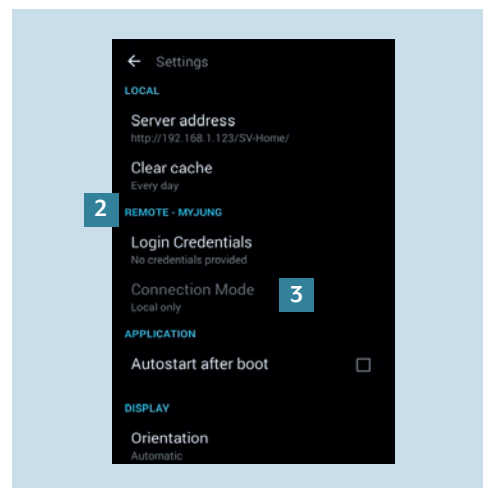
2. Select [Manage Smart Visu Server](#) [2] there.



3. Select the [Start remote access](#) button [3] to establish the connection to your home system.

4.4 Remote access using Android

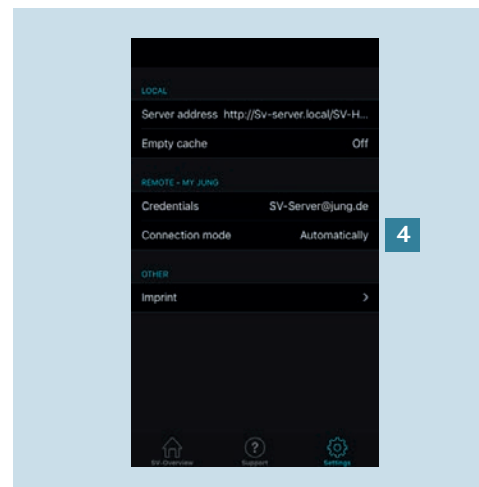
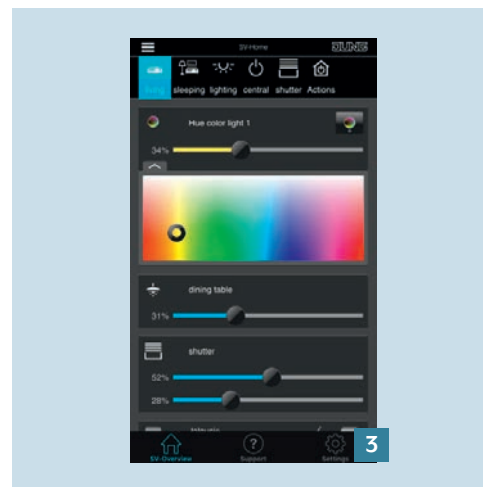
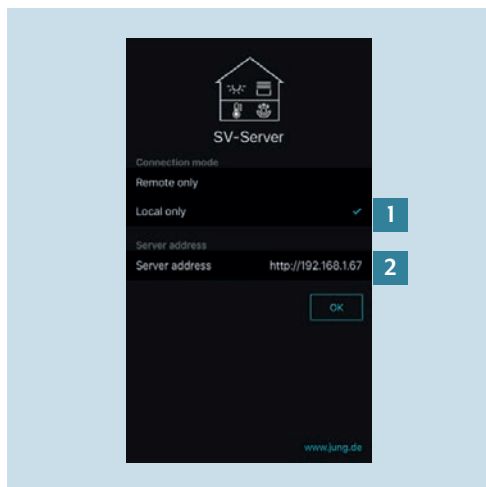
Perform the following steps to set up remote access for your SV server using the Android app.



1. Open the SV Server app and call the [app settings](#) using the [gear](#) [1].
2. Enter your access details for the remote access under [REMOTE – MyJUNG](#) [2].
3. Select the [Automatic](#) [3] connection mode in the standard case. If required, the connection to the home system can also be [Only local](#) or exclusively via [MyJUNG](#).

4.5 Remote access using iOS

Perform the following steps to set up remote access for your SV server using the iOS app.



1. On the first start of the app, select the **Local only** [1] connection mode and enter the **IP address of the SV Server** [2].
2. Then enter your access details for the remote access under **Only Remote** and confirm your entries with **OK**. You can now control your home system locally or remotely.
3. Call the **app settings** using the **gear** [3].
4. Select the **Automatically** [4] connection mode in the standard case. If required, the connection to the home system can also be **Local only** or exclusively via **MyJUNG**.

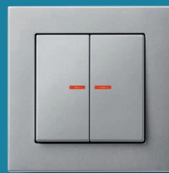
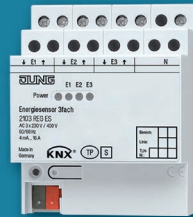
5. Completion of setting up Smart Visu Server remote access

Congratulations – you have successfully set up remote access for your Smart Visu Server.

With the SV Server remote access, you now always have your home under control.

Your data will be treated securely and confidentially and are subject to the strict European data protection regulations. JUNG [expressly](#) declares that personal data will not be passed on to third parties.

Smart Visu Server



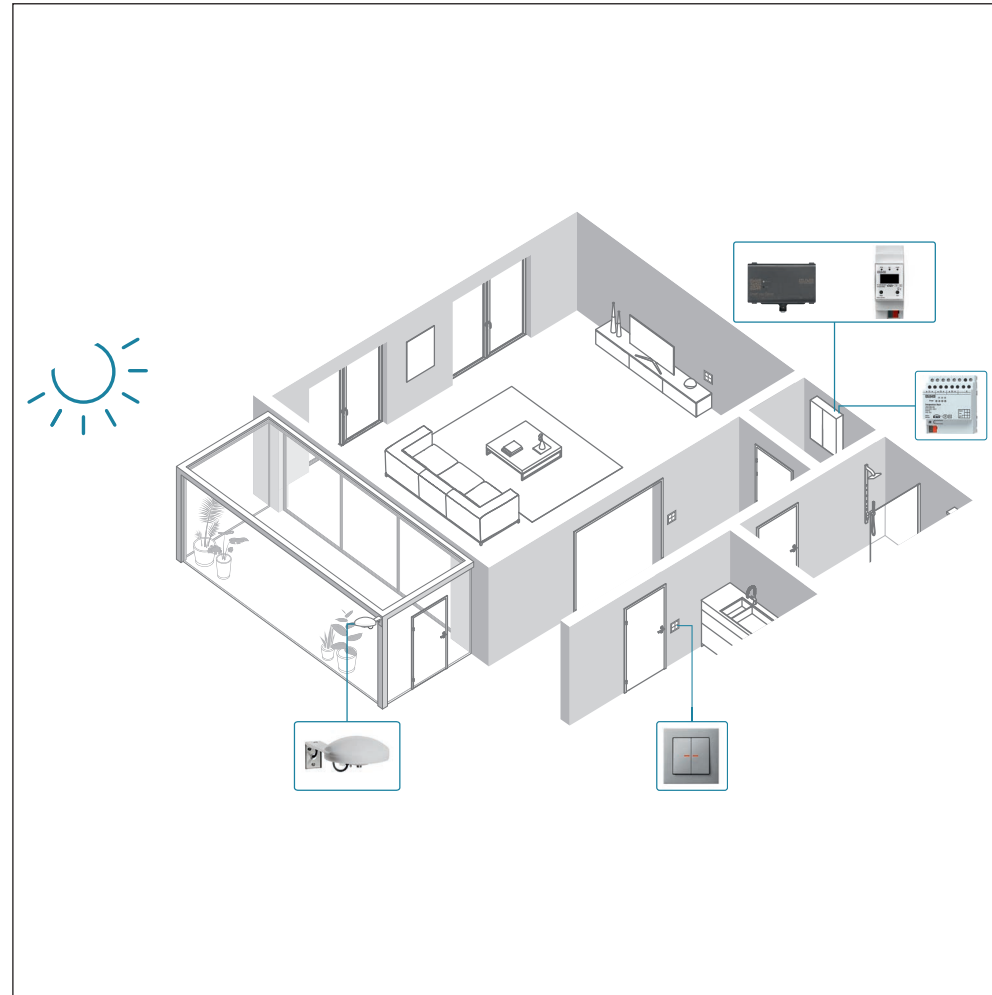
How do I set up a diagram?

1. Introduction

More transparency about what is happening within your own four walls: the Smart Visu Server and the diagram display make it possible!

With the diagram display, you can compare parameters, view trends and interpret data. The set-up in your JUNG Smart Visu Server is also quick and easy.

This quick start guide explains the individual steps of commissioning and operation using some examples.



COMPONENTS JUNG	PART NO.	QUAN- TITY
Smart Visu Server	SV Server	1
KNX IP interface	IPS 300 SREG	1
KNX weather station Universal	2225 WS U	1
KNX push-button F10 Universal 2-gang	.. 10921 ST	1
KNX energy sensor 3-gang	2103 REG ES	1

2. Overview

A diagram for displaying values can be set up in just a few steps.

The table below gives you an overview of the necessary steps.

On the following pages, the Individual steps are described in detail.

STEP	PAGE
1. Commissioning Smart Visu Server	4
2. Usecase 1: Temperature comparison of different rooms	5
3. Usecase 2: Record weather data	6
4. Usecase 3: Record energy data	7

3. Commissioning Smart Visu Server

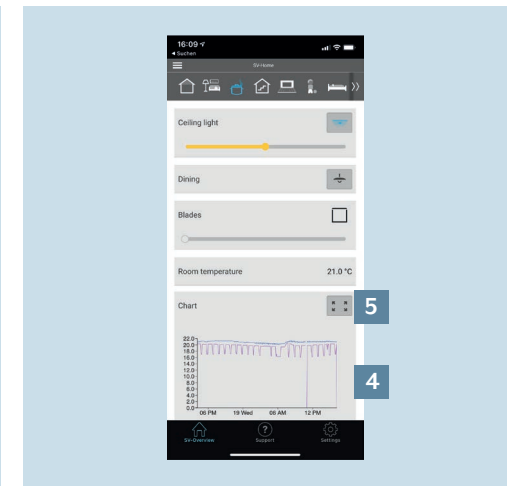
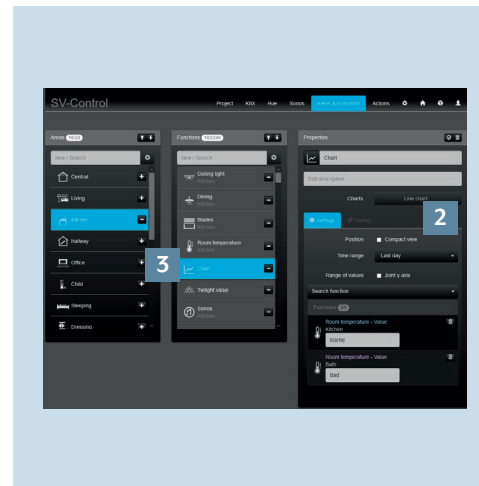
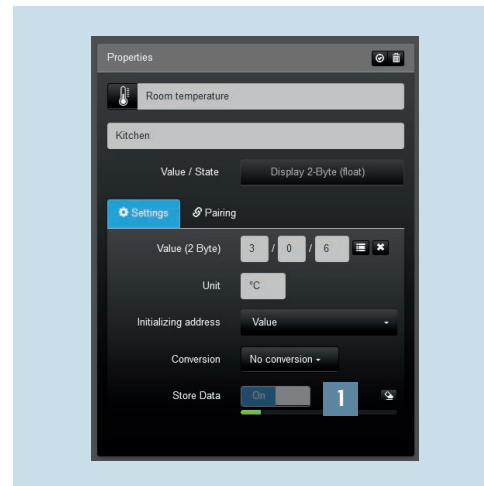
The first step is to install the current software version on your Smart Visu Server. This ensures that all functions of the Smart Visu Server are always available to you.



1. Install the [SV Server software](#) (version 1.2.1750 or later) onto your SV Server.

4. Usecase 1: Temperature comparison of different rooms

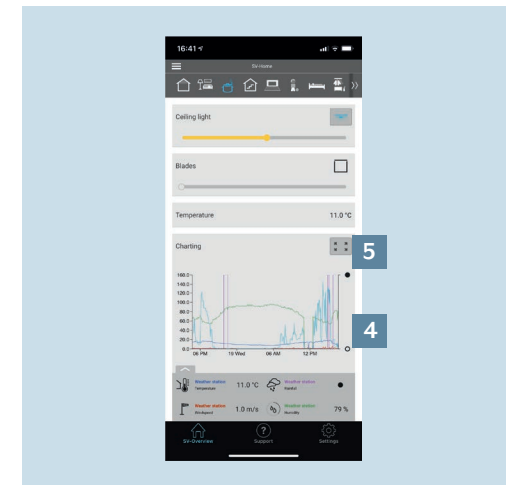
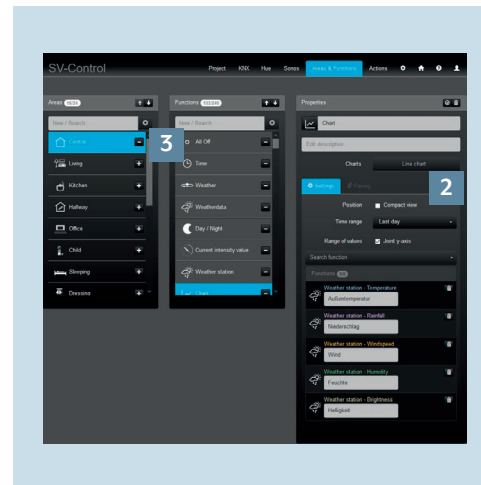
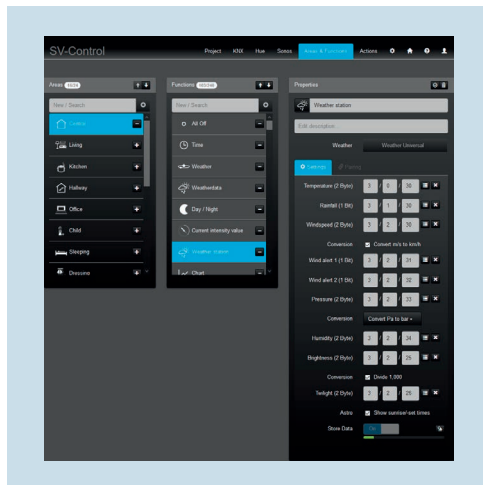
- For this application, you need KNX devices with a temperature sensor (e.g. KNX push-button F10, KNX push-button sensor F40, KNX push-button sensor F50 or KNX presence detector Mini Universal).
- Navigate in SV Control to [Areas & Functions](#) to activate data storage.



1. On the [Areas & Functions](#) tab, select the [function](#) whose data you want to save.
2. Set the slider of [Save data](#) [1] to "On".
3. Create a new function of type [line diagram](#) [2] and add the previously selected functions.
4. Change the [display properties of the charts](#) (e.g. displayed time period) according to your requirements.
5. Allocate the function either to an [existing area](#) [3] or create a [new area](#).
6. Call the [SV Home user interface](#).
As soon as the data are saved, they are stored on the Smart Visu Server and can be displayed in a [chart](#) [4].
7. You can get more detailed information using the [full-screen mode](#) [5].

5. Usecase 2: Record weather data

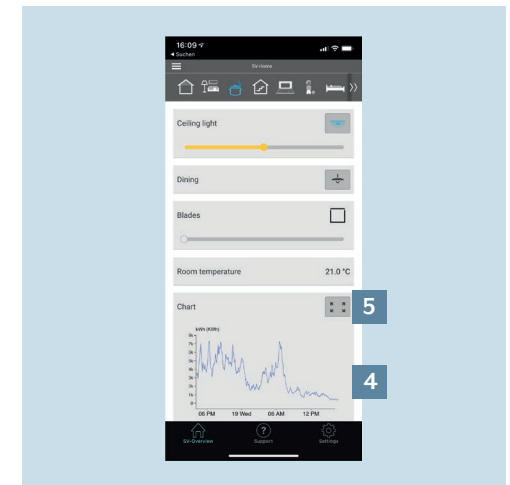
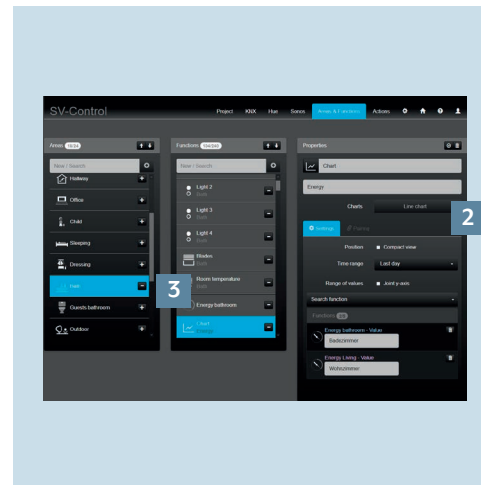
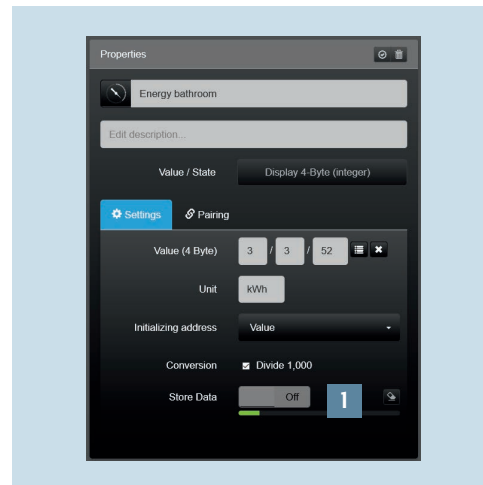
- For this application you need KNX devices for recording weather data (e.g. KNX weather station Universal or KNX weather station Home). These devices can, among other things, display wind speed, brightness, temperature and air humidity.
- Navigate in SV Control to [Areas & Functions](#) to activate data storage.



1. On the [Areas & Functions](#) tab, select the function whose data you want to save.
2. Set the slider of [Save data](#) [1] to "On".
3. Create a new function of type [line diagram](#) [2] and add the previously selected functions.
4. Change the [display properties of the chart](#) (e.g. displayed time period) according to your requirements.
5. Allocate the function either to an [existing area](#) [3] or create a [new area](#).
6. Call the [SV Home user interface](#). As soon as the data are saved, they are stored on the Smart Visu Server and can be displayed in a [chart](#) [4].
7. You can get more detailed information using the [full-screen mode](#) [5].

6. Usecase 3: Record energy data

- For this application, you need KNX devices for recording energy data (e.g. KNX energy sensor). These devices can, among other things, graphically display current, voltage and watts.
- Navigate in SV Control to [Areas & Functions](#) to activate data storage.



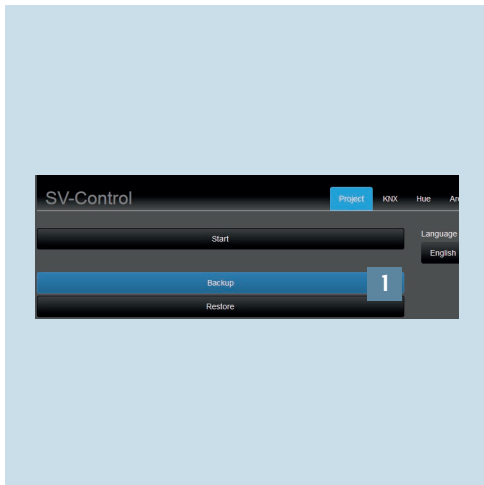
1. On the [Areas & Functions](#) tab, select the function whose data you want to save.
2. Set the slider of [Save data](#) [1] to "On".
3. Create a new function of type [line diagram](#) [2] and add the previously selected functions.
4. Change the [display properties of the chart](#) (e.g. displayed time period) according to your requirements.
5. Allocate the function either to an [existing area](#) [3] or create a [new area](#).
6. Call the [SV Home user interface](#).
As soon as the data are saved, they are stored on the Smart Visu Server and can be displayed in a [chart](#) [4].
7. You can get more detailed information using the [full-screen mode](#) [5].

The following data are saved per function when data storage is activated and can be used for a diagram:

TYPE	FUNCTION	APPLICATION	SAVE DATA POINTS
Switch / dimmer	Switch	Switchable socket	Switching feedback
	Virtual switch	Start absence	Value
	On / Off	Central off	Switching
	Stairwell function	have > need	
	Dimmer	Lighting	Brightness value feedback
	Dimmer + Switch		
	Virtual dimmer		Internal value feedback
	RGB (W)		Switching feedback
	Tunable white		Colour temperature feedback, brightness value feedback
	Remote maintenance	Analysis	Release of remote maintenance, programming via remote maintenance
Motorised drives	Blind / Slat	Curtain position	Curtain position feedback, slat position feedback
	Shutter		Curtain position feedback
Climate	Ventilation	Air regulation	Switching auto / manual, fan level feedback
	Operating mode	Energy cost optimisation	Operating mode feedback
	Base setpoint		Actual temperature feedback, target temperature feedback
	HVAC function group		
Value / status	1 bit	Window position Circulation pump Domestic water circulation pump	Value feedback
	1 byte	Variable for valve drive	
	2 byte	Temperatures, brightness values	
	4 byte	Energy data	
Encoder	1 byte	Standard values	Value
	2 byte		
Weather	Weather station Standard	Weather station	Temperature, rain, wind speed, wind alarm 1, wind alarm 2, brightness value
	Weather station Universal		Temperature rain, wind speed, wind alarm 1, wind alarm 2, brightness value, air pressure, air humidity

7. Saving the project

Congratulations! You now have more transparency in your home.
On the basis of the saved data, you can create more charts to compare data.



1. Call SV Control to back up your project file.
2. Save the project and your configuration under [Backup \[1\]](#) in the Project tab.

Smart Visu Server



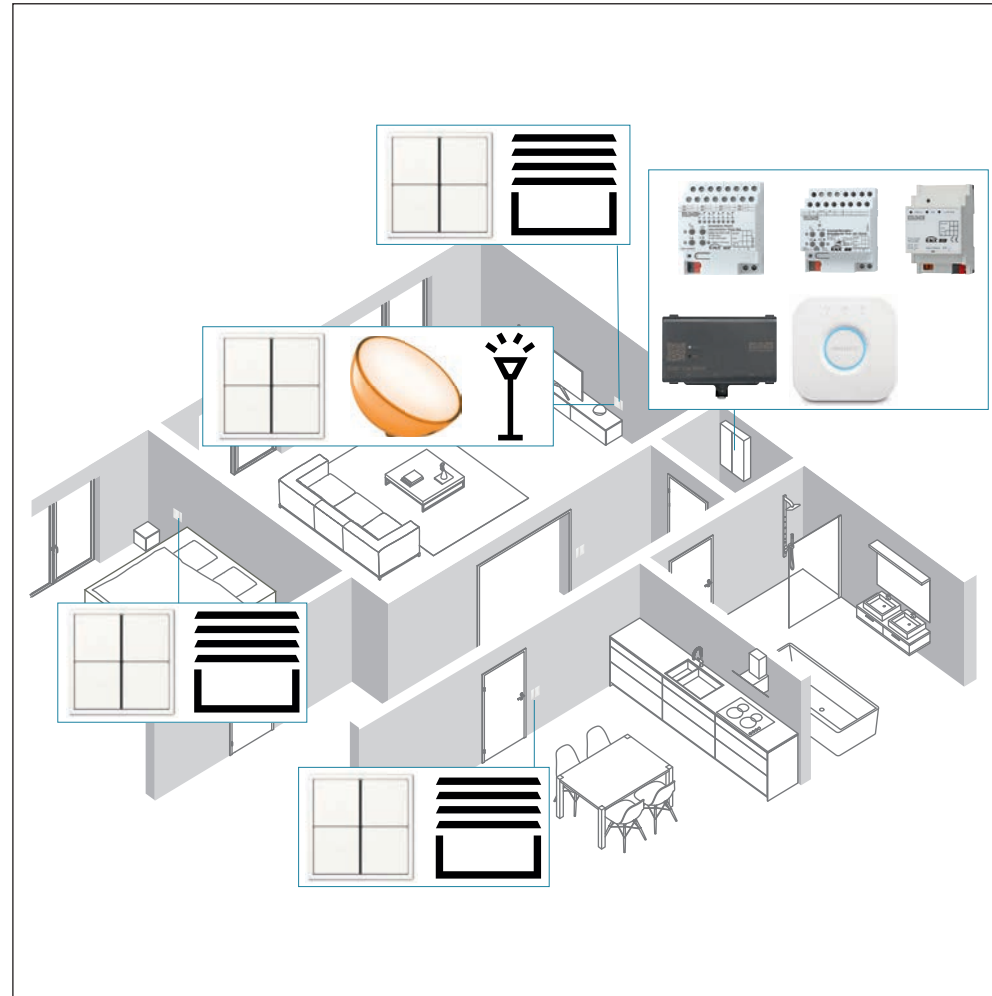
How do I adjust the astro function?

1. Introduction

Automatically adjust the switching times to the sun positions in the course of the year with the JUNG Smart Visu Server: this is not a problem thanks to the astro function!

The astro function makes it possible for you to reliably and conveniently control shading and lighting depending on sunrise and sunset. The set-up in your JUNG Smart Visu Server is also quick and easy.

This quick start guide explains the individual steps of commissioning and operation using an example.



COMPONENTS JUNG	REFERENCE NO.	QUAN- TITY
Smart Visu Server	SV SERVER	1
KNX IP interface	IPS200REG	1
KNX Universal push-button module, 4-gang	4194 TSM	4
KNX switch actuator, 8-gang	2308.16	1
KNX blind actuator, 4-gang	REGHE	1
KNX LED Universal dimming actuator, 1-gang	3901 REGHE	1

COMPONENTS PHILIPS	REFERENCE NO.	QUAN- TITY
Hue Bridge	-	1
Hue Go	-	1

2. Overview

The astro function can be integrated into your JUNG Smart Visu Server with just a few steps.

The table here gives an overview of the necessary steps.

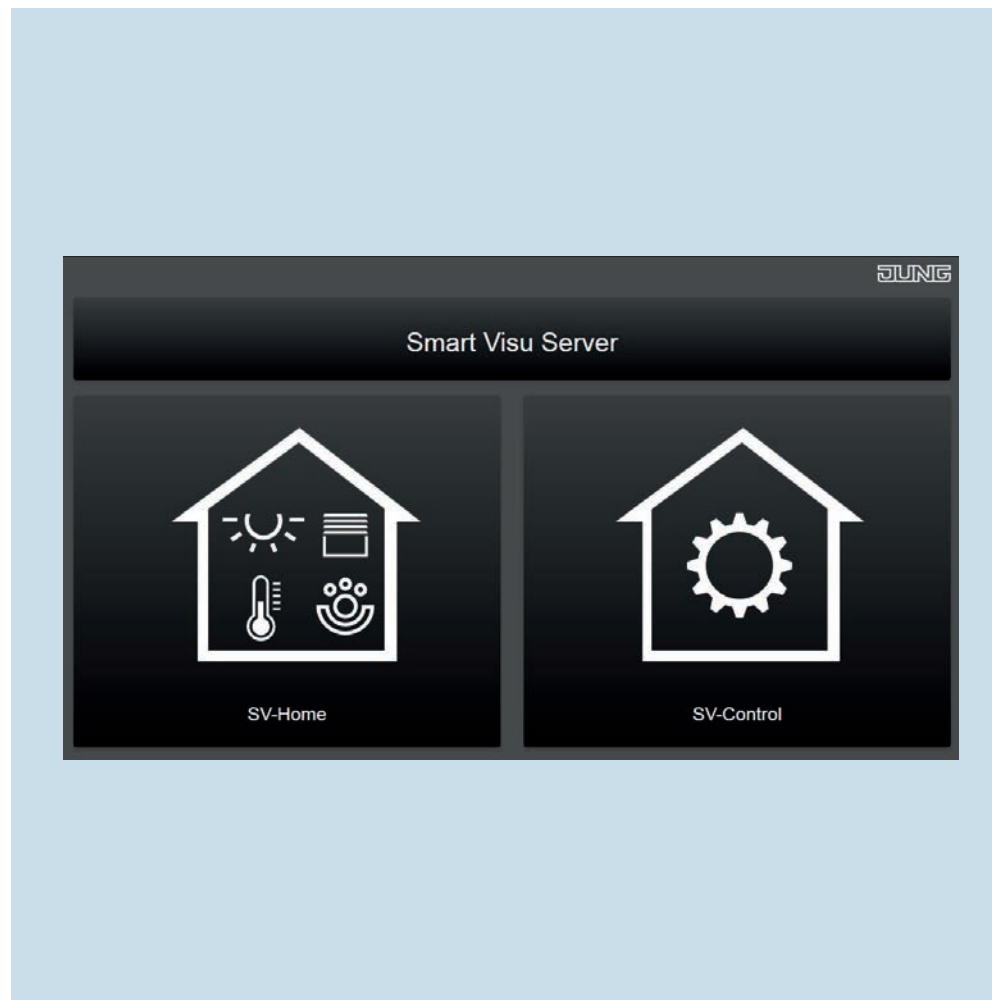
The individual steps are described in detail on the following pages.

STEP	PAGE
1. Connect the Smart Visu Server to the IP network	6
2. Set up areas and functions	7
3. Input location coordinates for astro function	8
4. Configure actions	9
5. Save project	11

3. The Smart Visu Server

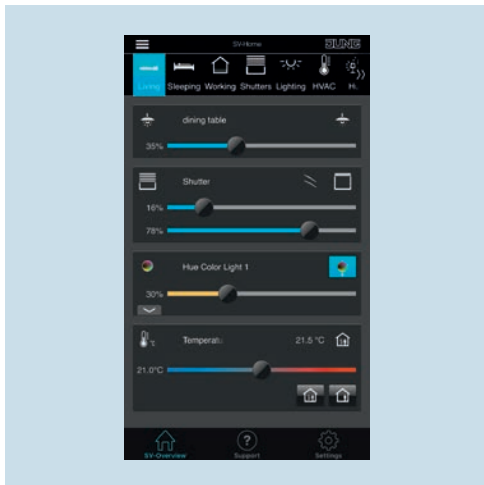
The Smart Visu (SV) Server gives you the choice between two different areas on the start page.

- SV Home:
operation and visualisation
- SV Control:
editing and setting

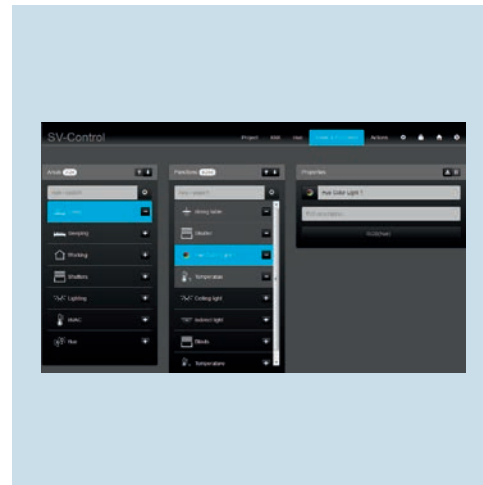


3.1 Functions of the Smart Visu Server

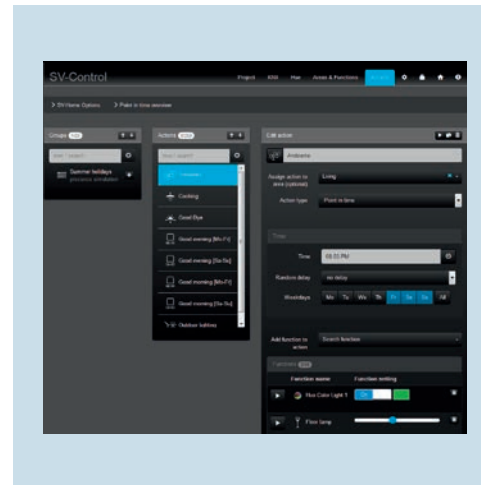
This page gives you a short overview of the functions of the SV Server. On the following pages you will find out how to commission the SV Server and how to create areas, functions and actions.



SV Home is the operating and visualisation interface, using which you control and operate your home and call up actions (scenes).



You create your rooms in **SV Control**. You can also create functions such as switching and dimming for your lighting in the **Areas & Functions** tab. Afterwards, you add the functions to your rooms.



Using **SV-Control**, create actions in which, for example, lamps illuminate on specific days, at specific times, with a colour set by you.

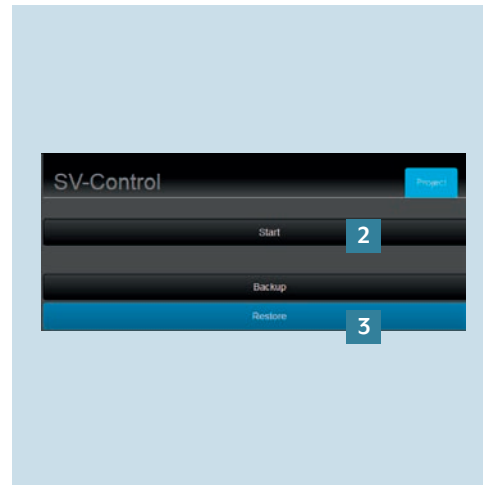
4. Commissioning Smart Visu Server

Integrate the Smart Visu (SV) Server in your home network.

- Call the SV Server via the web browser of your terminal device (PC, laptop, tablet).
To do so, enter the address `http://sv-server.local` or the IP address of the SV Server allocated by the router.
- If the SV Server is protected by a password, enter this.



1. Select the **SV Control** button [1].

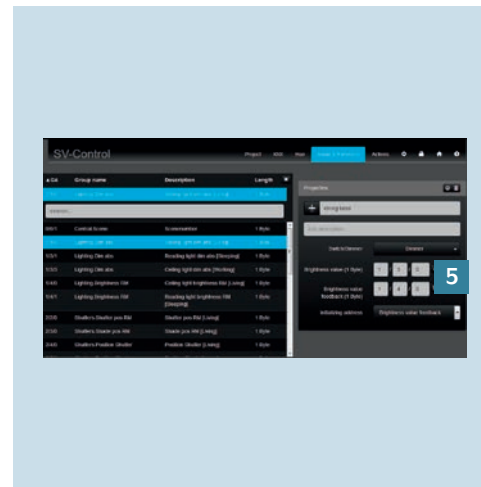
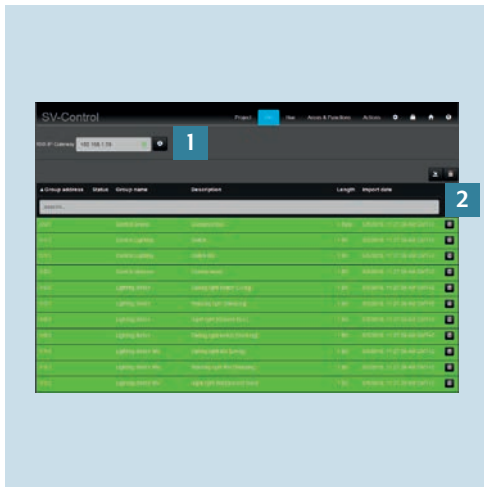


2. Create a new project with **Start** [2] or import an existing one with **Restore** [3] and navigate to the KNX tab.

4.1 Create areas and functions

After you have established the connection to the KNX bus, you now create areas and functions in the SV Server.

Note: The following is based on a configured system with already created functions and rooms.



1. On the **KNX** tab, enter the IP address of the KNX IP interface in the **KNX IP Gateway** [1] field.
2. Then import the required **group addresses** [2].

3. You can create **rooms (areas)** [3] and **functions** [4] in the **Areas & Functions** tab.

4. Allocate the **appropriate group addresses** [5] to the function.

5. Astro function

The astro function in SV Home reliably shows you the sunrise and sunset times as well as moon phases and the current sun position.

5.1 Enter location coordinates

First, enter the location coordinates ([latitude and longitude](#)) of your home system.

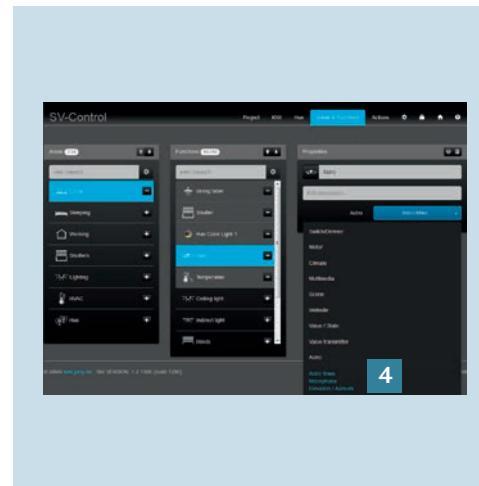
Note: You can research the location coordinates using various services on the World Wide Web (e.g. www.gps-coordinates.net).



1. Navigate in SV Control to the [Configuration Management](#) tab [1]. You will find the input field [Astro](#) [2] there at the bottom left.



2. Enter the [location coordinates](#) ([latitude and longitude](#) [3]).



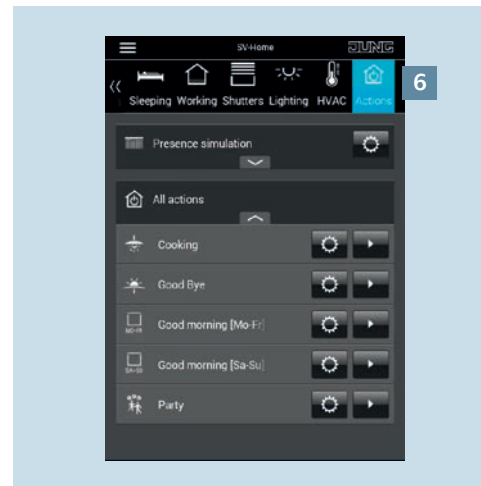
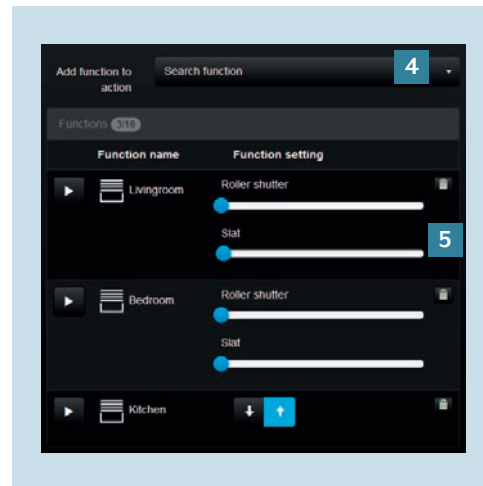
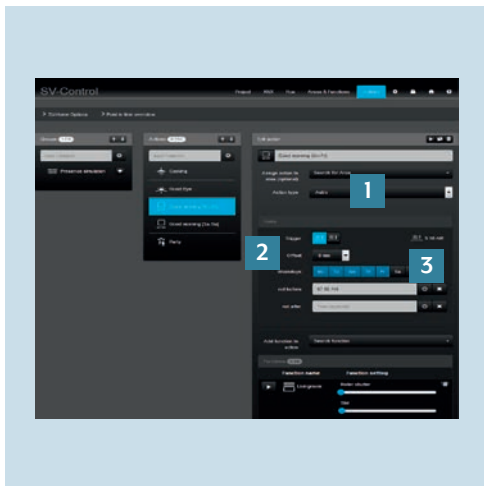
3. Optionally, select between the function types [astro times](#), [moon phase](#) or [elevation / azimuth](#) [4]. You decide which information you would like to see later in SV Home.

6. Astro function and actions

Using the actions, you can create scenes, and using the astro action type, you can realise automatic processes for the control of your home at sunrise or sunset. You also have the possibility to move the switch-on time or include conditions. Two application examples are described for this.

6.1 Action “Good morning [Mo – Fr]”

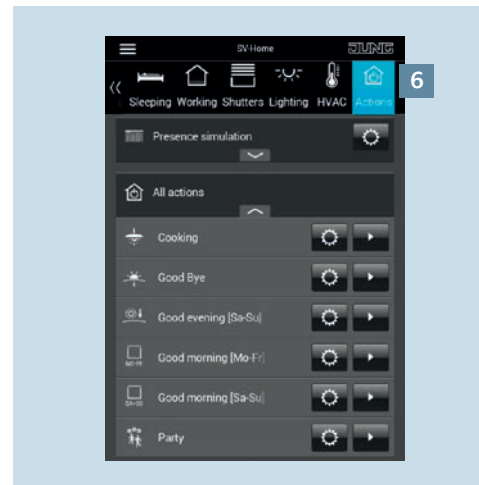
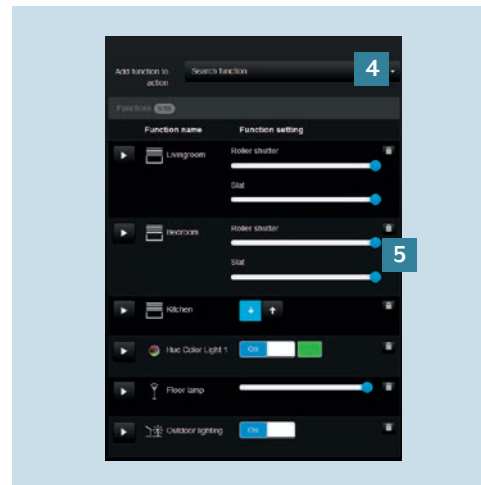
This action should automatically raise the blinds at sunrise, however not before 7:00 a.m.



1. Create an action in the [Actions](#) tab and select the [Astro](#) [1] action type. Select the [Sunrise](#) [2] trigger and the desired [weekdays](#) [3] including [Conditions](#):
 - No shift (0 minutes)
 - Mo – Fr
 - Not before 7:00 a.m.
2. Add the appropriate [functions](#) [4] to the action.
3. Adjust the desired states using the [sliders](#) [5], e.g.:
 - Blind position 0%
 - Slat 0%
4. After you have saved the action, it can be called in SV Home under [Actions](#) [6].

6.2 Action “Good evening [Sa – Su]”

This action should automatically lower the blinds at the weekend at sunset, put the lighting in the living room into a relaxed ambiance and switch on the outdoor lighting. The action already starts half an hour before sunset.

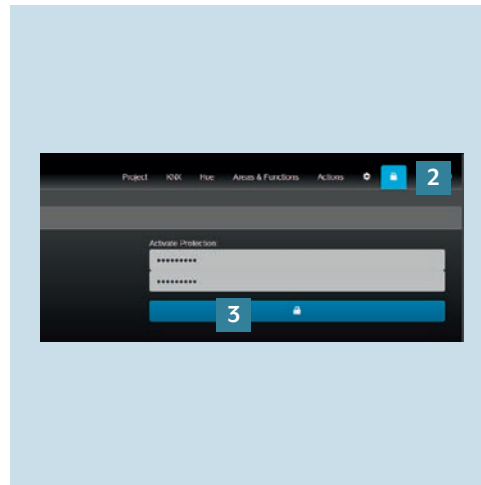
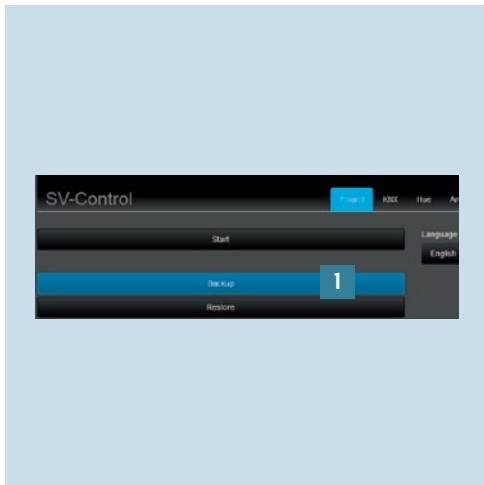


1. Create an action in the **Actions** tab and select the **Astro** [1] action type. Select the **Sunset** [2] trigger and the desired **weekdays** [3] including **Conditions**:
 - Shift -30 minutes
 - Sa & Su
2. Add the appropriate **functions** [4] – here **blinds** and **lighting** – to the action.
3. Adjust the desired states using the **sliders** [5], e.g.:
 - Blind position 100%
 - Slat 100 %
 - Lighting on or 100 %
4. After you have saved the action, it can be called in SV Home under **Actions** [6].

7. Saving the project

Congratulations – you now know how you can set up and use the astro function to automatically and conveniently control your home depending on the sun position using the Smart Visu Server!

Before you start the visualisation, do not forget to save your configuration and activate the password protection again.



1. Call SV Control to backup your project file. Save the project and your configuration under [Backup](#) [1] in the Project tab.
2. To reactivate the access protection for your system, call the access protection page using [🔒](#) [2].
3. Enter the password and activate the protection by clicking on the [selected area](#) [3].

Smart Visu Server



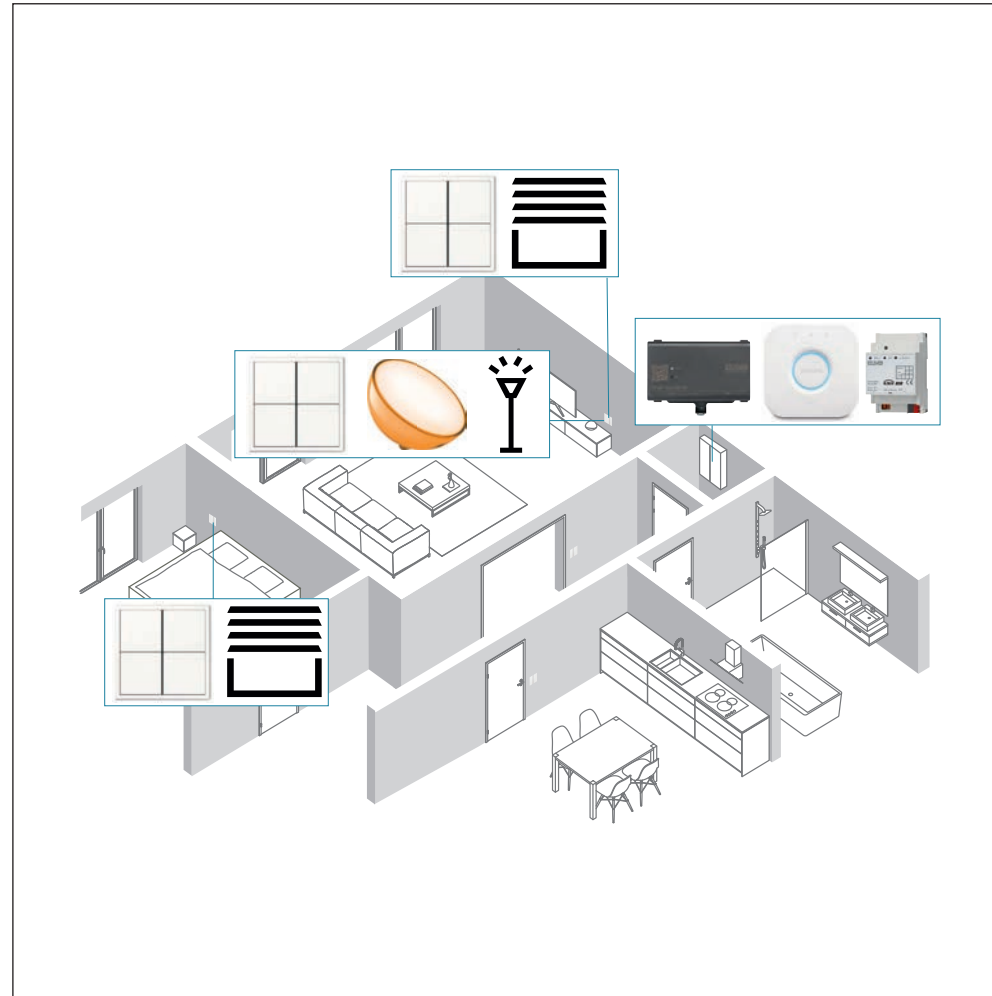
How do I set up the presence simulation?

1. Introduction

Leave the house for long periods with a secure feeling.

Quickly and conveniently set up a presence simulation with your Smart Visu Server for the time during your holiday or any extended absence. Simply add a random delay to multiple actions and combine them clearly with the clever group function.

This quick start guide explains the individual setting-up steps using an example.



COMPONENTS JUNG	PART NO.	QUAN- TITY
Smart Visu Server	SV-SERVER	1
KNX IP interface	IPS 200 REG	1
KNX Universal push-button module, 4-gang	4194 TSM	3

COMPONENTS PHILIPS	PART NO.	QUAN- TITY
Hue Bridge	-	1
Hue Go	-	1

2. Overview

The presence simulation can be implemented in your Smart Visu Server with just a few steps.

The table here gives an overview of the necessary steps.

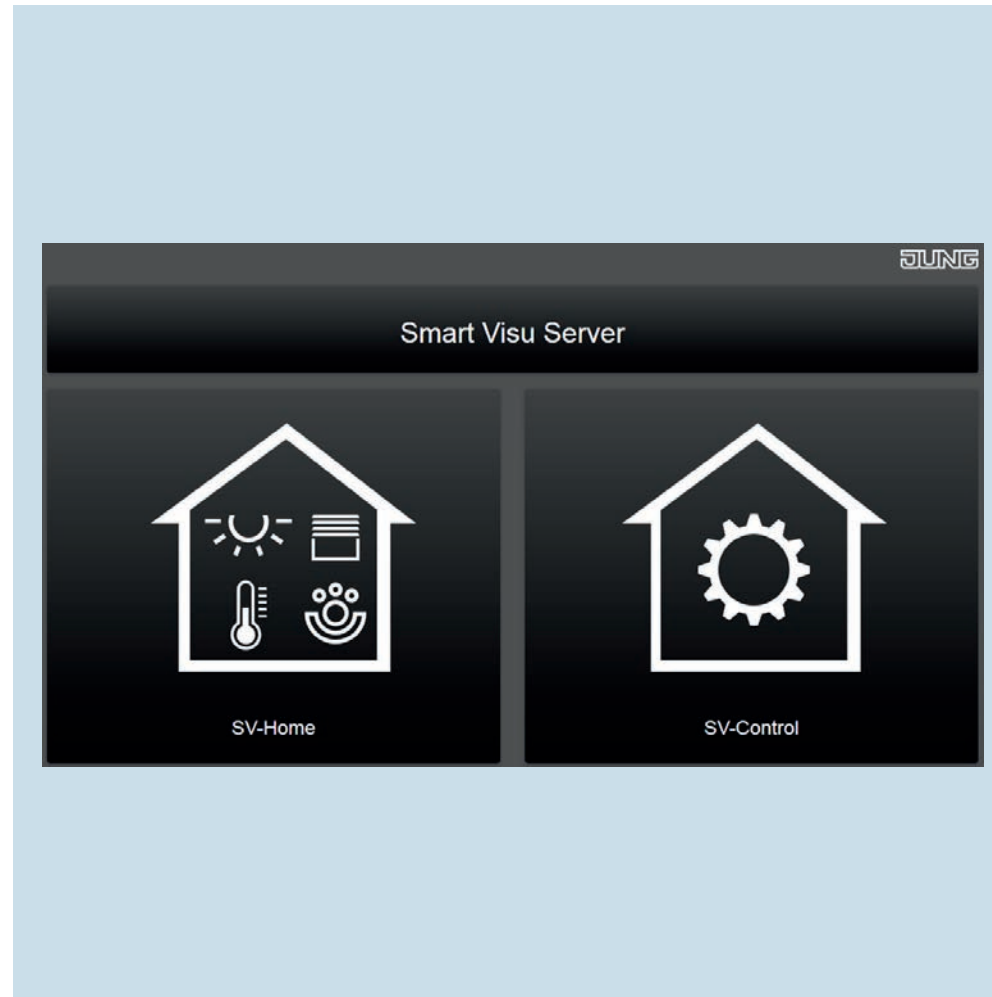
The individual steps are described in detail on the following pages.

STEP	PAGE
1. Connect the Smart Visu Server to the home network	6
2. Make a connection to the KNX bus	7
3. Set up areas and functions	8
4. Create actions	9
5. Create action groups and combine actions	10
6. Duplicate action group	11
7. Save project	12

3. The Smart Visu Server

The Smart Visu (SV) Server gives you the choice between two different areas on the start page:

- SV-Home:
operation and visualisation
- SV-Control:
editing and setting

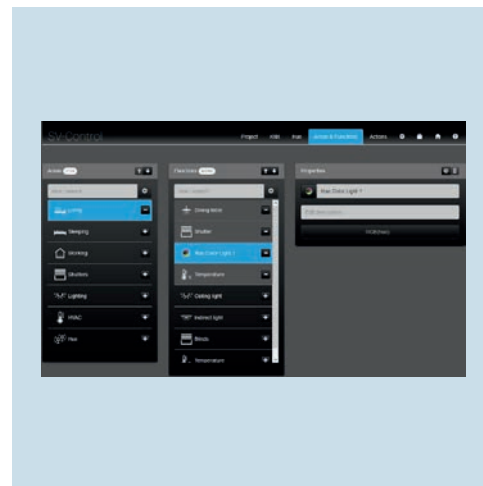


3.1 Functions of the Smart Visu Server

On this page you get a short overview of the functions of the SV Server. On the following pages you will find out how to commission the SV Server, to create areas and functions and to create a presence simulation with actions and groups.



SV-Home is the operating and visualisation interface with which you control and operate your home and call up actions (scenes).



You create your rooms in **SV-Control**. You can also create functions such as switching and dimming for your lighting in the **Areas & Functions** tab. Afterwards, you add the functions to your rooms.

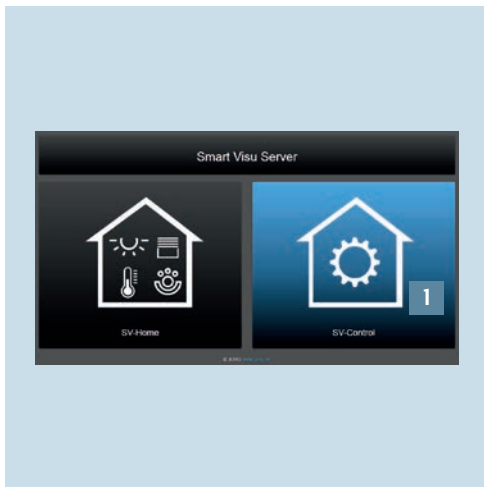


Using **SV-Control**, create actions in which, for example, lamps illuminate on selected days, at specific times, with a mood set by you.

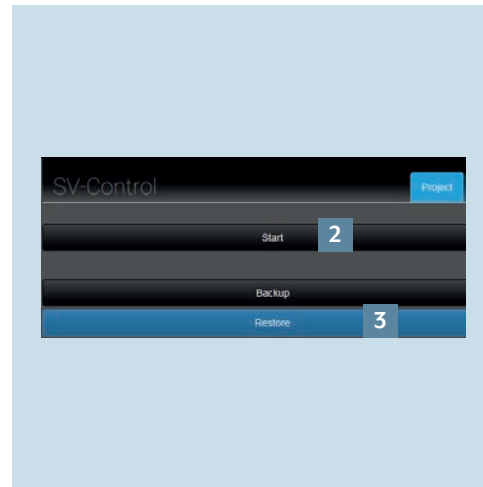
4. Commissioning Smart Visu Server

Integrate the Smart Visu (SV) Server in your home network.

- Call the SV Server via the web browser of your terminal device (PC, laptop, tablet).
To do so, enter the address `http://sv-server.local` or the IP address of the SV Server allocated by the router.
- If the SV Server is protected by a password, enter this.



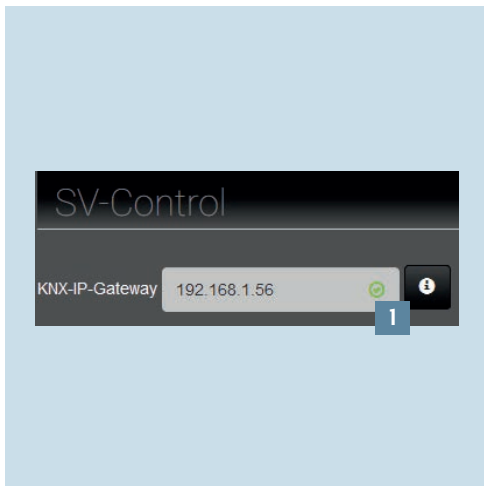
1. Select the [SV-Control](#) button [1].



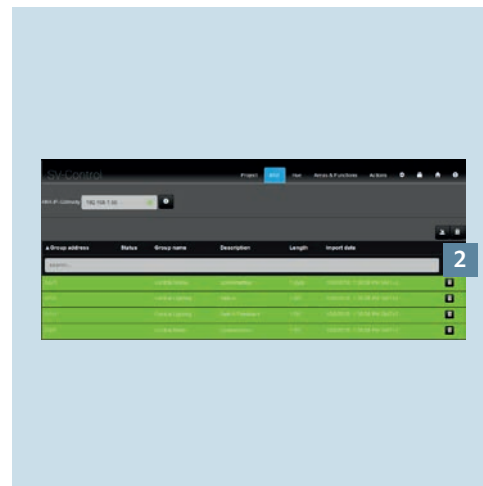
2. Create a new project with [Start](#) [2] or import an existing one with [Restore](#) [3] and navigate to the [KNX](#) tab.

4.1 KNX – general configuration

The individual steps for connecting your KNX system to the Smart Visu Server are explained below.



1. Enter the IP address of the KNX IP interface in the **KNX-IP-Gateway** field [1] on the **KNX** tab. You can recognise a successful connection by the **green tick**.

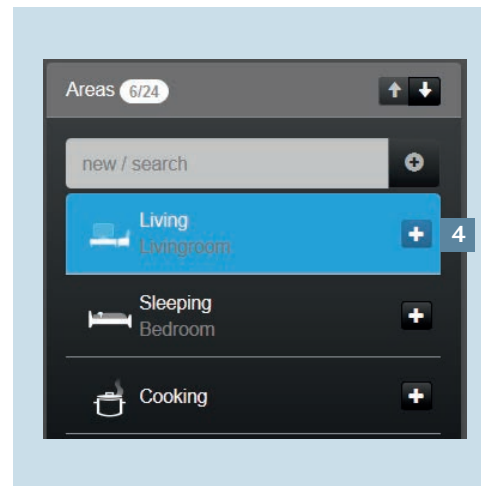
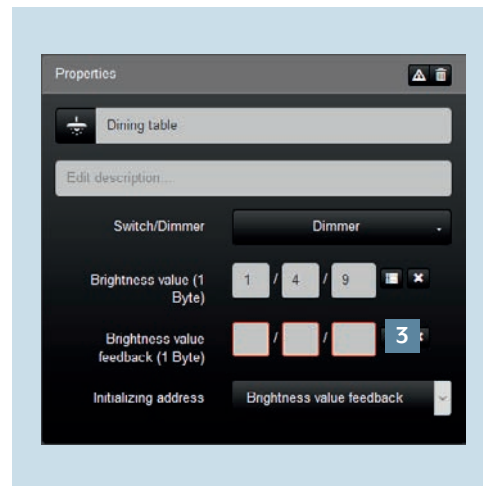


2. Import the KNX group addresses of your project using the **Import** [2] button. Newly added group addresses are marked in green.

4.2 Areas & functions

You can now create and allocate rooms and create functions on the [Areas and Functions](#) tab.

Note: the following assumes a configured system with functions and rooms already created.



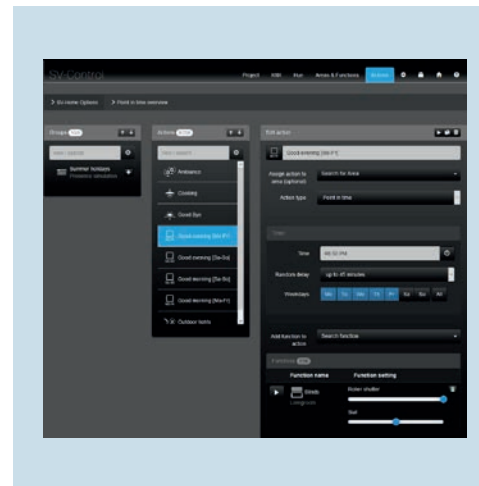
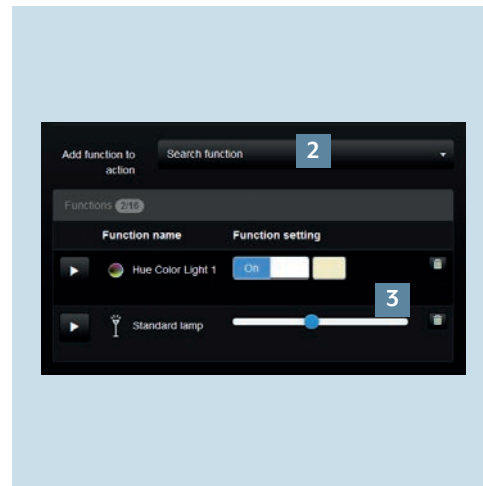
1. You create [rooms \(areas\)](#) [1] and [functions](#) [2] on the [Areas & Functions](#) tab.
2. Allocate the [appropriate group addresses](#) [3] to the function.
3. With +, you allocate the function to an area in SV-Home [4].

5. Implementing a presence simulation

Using the actions, you can create scenes that are called according to time, event or user control. Actions can be combined into a group for a presence simulation and given a trigger time. Two examples of applications for summer and winter are described below.

5.1 Create actions

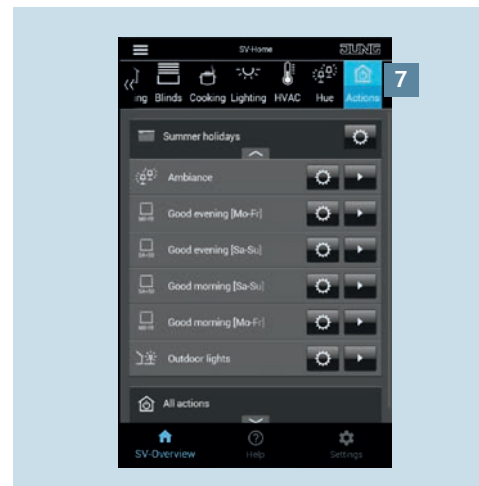
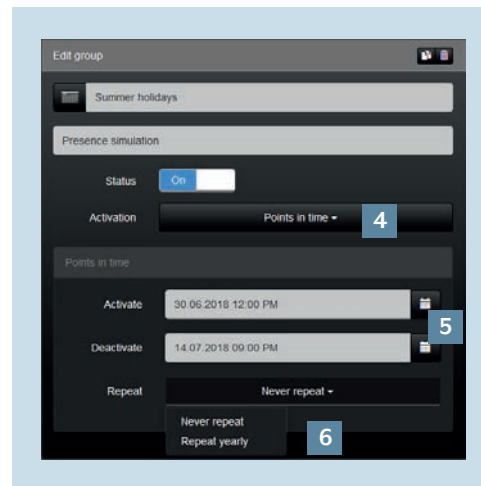
The actions serve to switch/move the lighting and blinds at 20:50 with a time delay of \pm 30 minutes during the summer holiday. The creation of the first action is explained below using the ambient lighting in the living room. Further actions can be configured in addition.



1. Create the **Ambience** action on the **Actions** tab and select the **Time schedule** action type.
Program the **Timer** [1], e.g.:
 - Friday to Sunday: 20:50
 - Random delay: 30 minutes
 - Living room
2. Allocate the action to a room (area).
3. Add the respective **functions** [2] to the action – here the lighting in the living room.
4. Specify which status the functions (lamps) have when triggered [3], e.g.:
 - Hue lamp on
 - Hue light colour: warm white
 - Illumination at 45 percent
5. Create further actions in the same way for the **lighting and blinds control** with the relevant functions from **Areas & Functions**.
Note: all functions that are added to an action are run at the same time.

5.2 Creating action groups

As soon as all actions have been created, allocate the actions to the first action group, [Summer holiday](#).



1. Create the [Summer holiday](#) group on the [Actions](#) tab [1].
2. Use + [2] to add the desired actions to the group.
3. Set the status of the group to [On](#) [3].
4. Select the activation [Switching times](#) [4].
5. Specify the [time period](#) for the [activation](#) or [deactivation](#) [5] – in this case the time of your absence during the summer holiday.
6. Optionally, you can also set an [annual repetition](#) [6].
7. After you have successfully created the group, it appears in SV-Home under [Actions](#) [7]. All actions belonging to the group are henceforth called at the defined time with a random delay.
8. Using the respective [gear icon](#), you can adapt an action or group.

5.3 Duplicate action groups

After you have created the presence simulation and action group for the summer holiday, you can now quickly and easily create a second presence simulation for your ski holidays in the winter. In this example, the timer is set to 18:55.

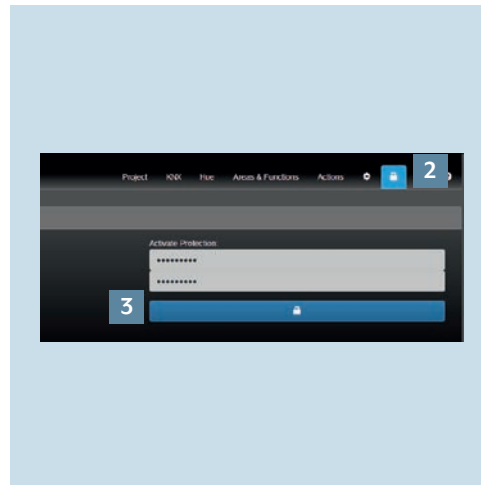
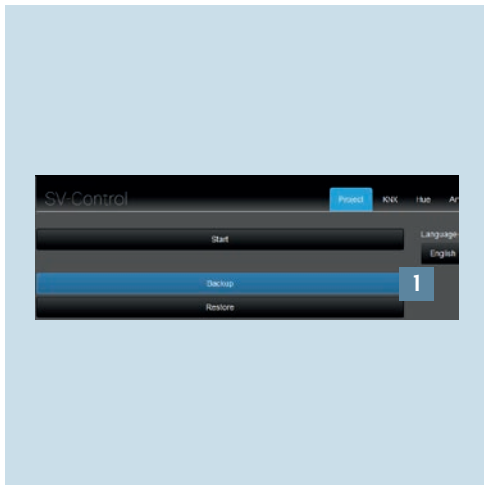



1. Under **Groups**, select the **Summer holiday** group [1].
2. Duplicate the **Summer holiday** group with the **Copy** function [2]. All allocated actions and functions are copied – you do not have to create them again.
3. Rename the new group, e.g. to **Ski holidays** [3] and set the (de)activation times [4] for the winter holiday.
4. The new group **Ski holidays** [5] now appears in the overview.
5. Afterwards, you can likewise rename the actions and change the settings – set the **Timer** [6] for the actions to 18:55.
6. After you have successfully created the **Ski holidays** group, it appears in SV-Home under **Actions** [7].
7. Using the respective **gear icon**, you can adapt an action or group.

6. Saving the project

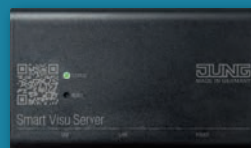
Congratulations – you now know how you can quickly and easily create one or more presence simulations with your Smart Visu Server thanks to the action groups!

Do not forget to backup your project data and activate the access protection!



1. Call SV-Control to backup your project file. Save the project and your configuration under **Backup** [1] in the Project tab.
2. To activate the access protection for your system, call the access protection page using  [2].
3. Enter the password and activate the protection by clicking on the **selected area** [3].

Smart Visu Server

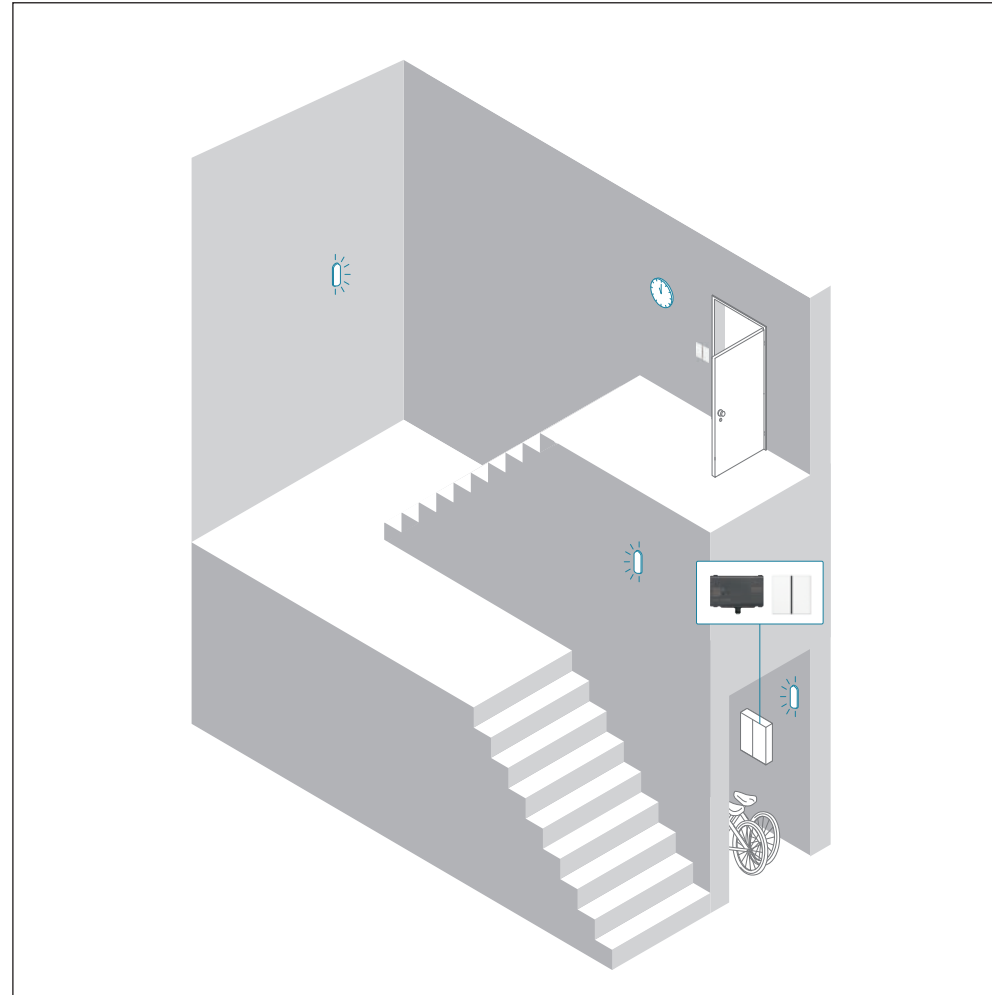


How do I set up a staircase function?

1. Introduction

You can set the delay time for your staircase light using a staircase function. You only switch the light on and don't have to worry about switching it off.

For example, if you want to fetch your bicycle from the cellar you only have to switch the light on. The light simply stays on during the delay time programmed with the aid of the staircase function. This means you have your hands free to carry the bike and don't have to switch the light off.



COMPONENTS JUNG	PART NO.	QUAN- TITY
Smart Visu Server	SV SERVER	1
Push-button sensor	4074 TSM	1

2. Overview

You can set the staircase function on your Smart Visu Server in just a few steps.

The table here gives an overview of the necessary steps.

The individual steps are described in detail on the following pages.

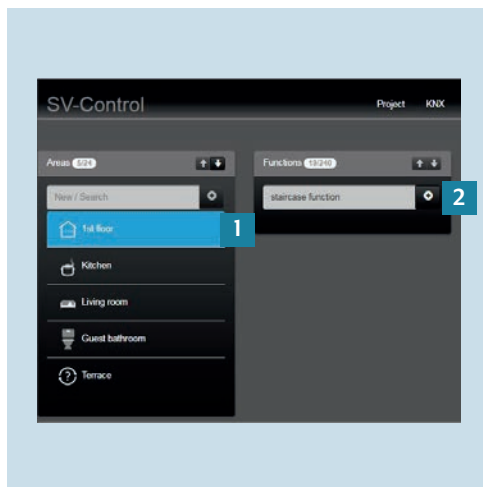
STEP	PAGE
1. Create staircase function	4
2. Set properties for staircase function	5

3. Creating the staircase function

You can now create the staircase function in the Areas & Functions tab, and in the next step you can specify the lighting delay time.

3.1 Create staircase function

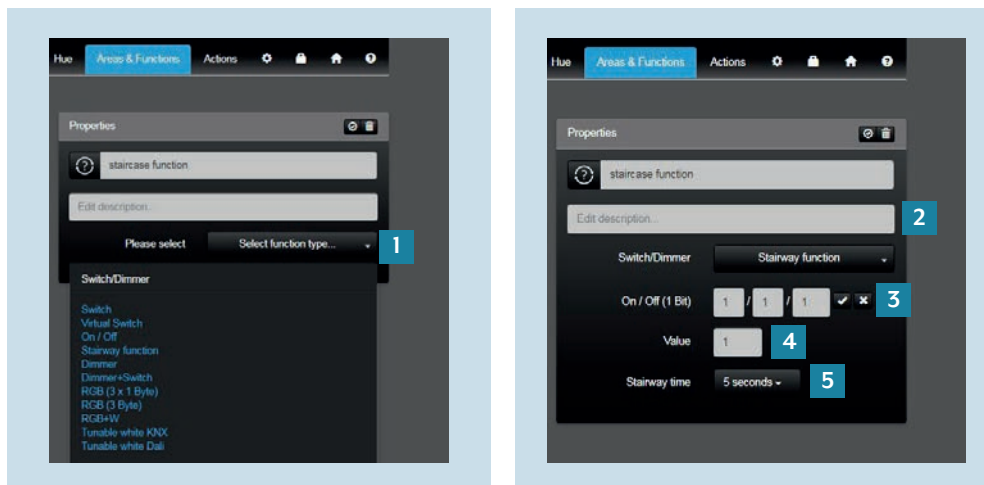
First you create the staircase function.



1. In the [Areas & Functions](#) tab, select a zone such as first floor (staircase) under [Areas](#) [1].
2. Now create the staircase function under [Function](#) [2].

3.2 Setting the staircase function properties

Now you can specify the properties for the staircase function such as the delay time.



1. First select switch / dimmer and then staircase function for the function types in the pull-down menu [1].
2. Specify a [description](#) [2].
3. Allocate the [group address for the required light](#) [3] to the staircase function and also enter a [value](#) [4]:
1 = ON; 0 = OFF.
4. Select [the required staircase time \(delay time\)](#) [5] from the pull-down menu.

4. Completion

Congratulations – you now know how to configure the staircase function.

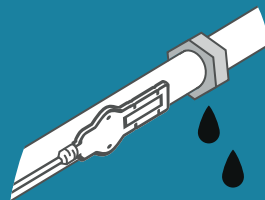
You no longer have to switch the staircase light off thanks to the staircase function you have set. Now, if you have no hand free, you don't have to go back to the light switch to switch the light off. The light stays switched on for exactly the duration you set with the delay time.

Smart Visu Server



How can I set up email messaging?

Smart Visu Server

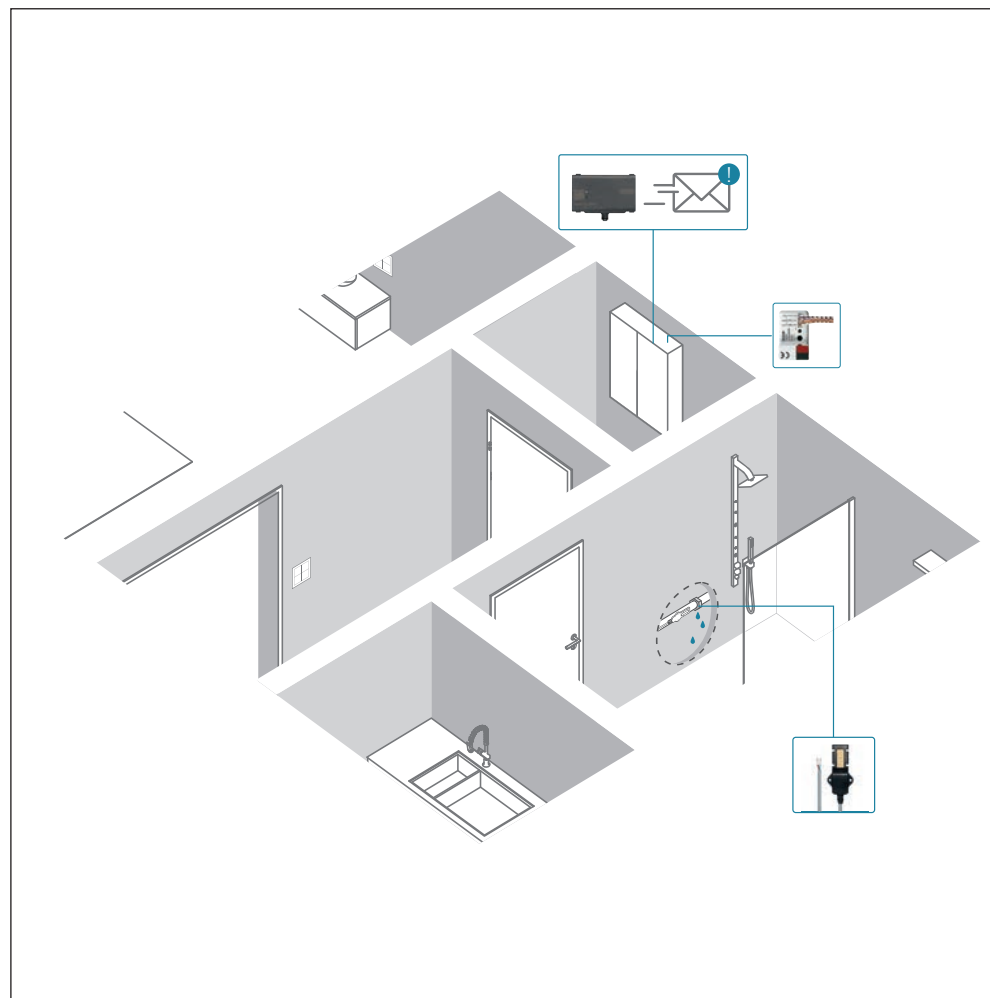


How can I set up email messaging for a leak?

1. Introduction

Using email messaging you will receive an email message about a range of different events, for example if there is a leak.

You decide which events inside your KNX equipment should be reported. You can either set up yourself or another person/several people as recipients for the email. This enables you to detect unfavourable conditions (e.g. if there is a leak, temperature change or strong wind) in good time and minimise the follow-on damage.



COMPONENTS JUNG	PART NO.	QUAN- TITY
Smart Visu Server	SV SERVER	1
Leakage sensor	LES 01	1
KNX pushbutton interface 2-gang	2076-2 T	1

2. Overview

An email message for cases such as leakage can be set up in just a few seconds.

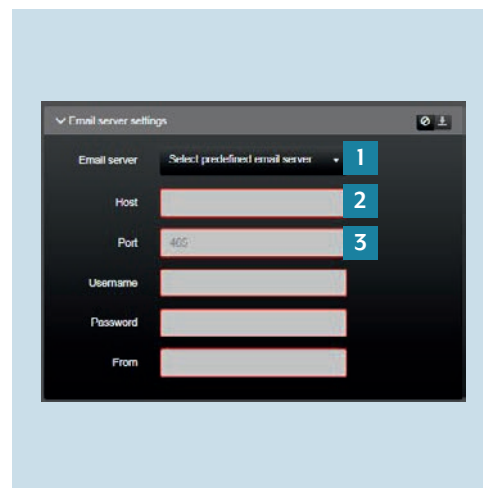
The table here gives an overview of the necessary steps.

The individual steps are described in detail on the following pages.

STEP	PAGE
1. Set up email server settings	5
2. Create email messaging function	6
3. Create leakage sensor function	7
4. Create email messaging action	8

3. Set up email server settings

First of all you should specify the email server settings for your email provider.



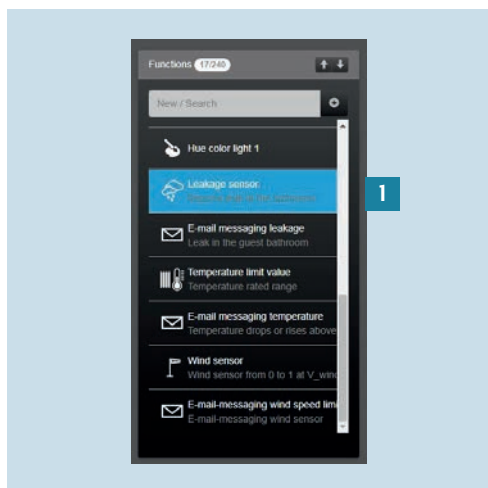
1. Open your system settings in SV Control using the [cogwheel](#).
2. In the email server settings tab, you will find the preset email server settings for several providers under [Email server](#) [1]. If you do not use any of the listed providers you will have to enter the [host](#) [2] and [port](#) [3] for your provider.
You can find out the host and port used by your provider via <https://www.pop3-imap-smtp.de>.

4. Creating the leakage email message

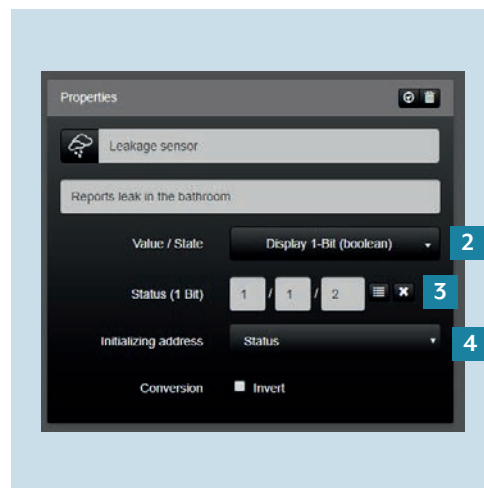
Now, in the Areas & Functions tab, you can specify the parameters which would result in an email message if there was a leak.

4.1 Creating the leakage sensor function

First you have to create the leakage sensor under Functions.



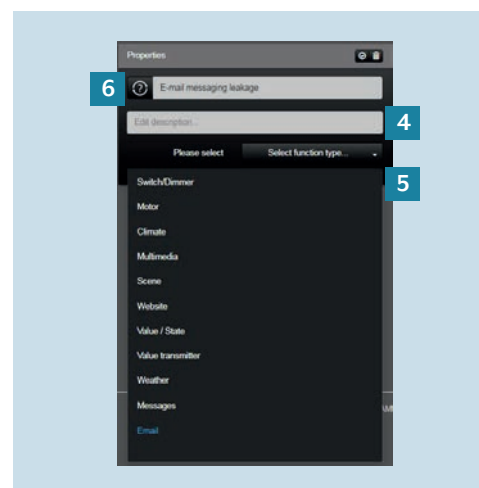
1. Select the [leakage sensor](#) [1] under Functions.



2. Now select [Display 1-Bit \(Bool\)](#) [2] as value / status under Properties.
3. Now enter the [group address](#) [3] for your leakage sensor under Status (1-bit).
4. Set the initialisation address to [Status](#) [4].

4.2 Creating the email messaging function

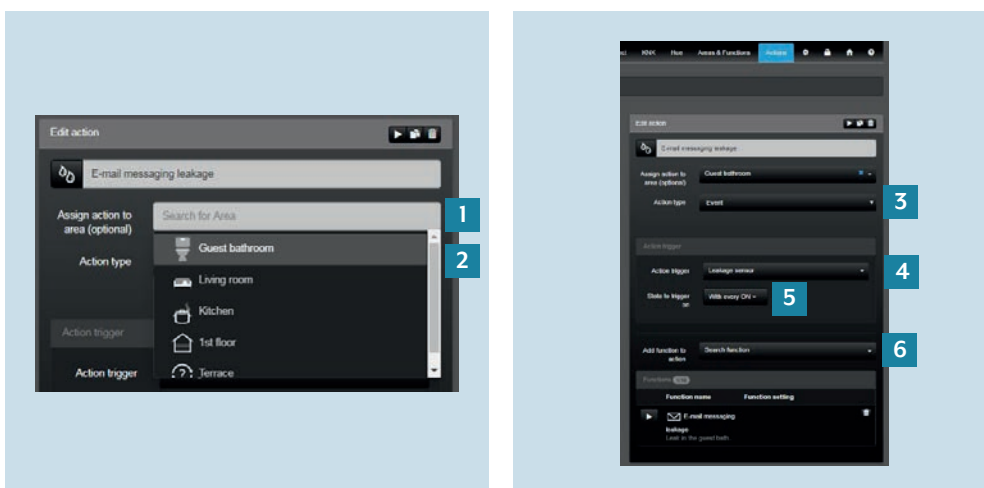
In the next stage you specify the general settings for the function. After this you will set a few basic settings.



1. Select a zone, for example first floor, kitchen or guest bathroom in the **Areas & Functions** tab under **Areas** [1].
2. Now, under **Functions** create the **leakage email message** [2].
3. Under **Functions**, select the **leakage email message** [3] you have just created.
4. Now, under **Properties**, specify a **description** [4] and a **function type**.
5. For the function types, use the **pull-down menu** [5] to first select **message** and then **email**.
6. With **Symbol** [6] you can select the symbol you want to use for the **leakage email message**.
7. Enter a **description**[7], e.g.: leakage in bathroom.
8. Enter the **email address** [8] of the required recipient in addition to the CC and BCC recipients.
9. Last of all, enter an individual **subject** and an individual **message** [9].

4.3 Action create email messaging

Last of all you create an action which sends you an email message if a leakage is found.



1. In SV Control, go to **Actions**.
2. Create a new **leakage email message** action [1] for the function you have just created.
3. In the **edit action** [2] field, allocate the action to an area.
4. Now select an **action type** [3], in this case **event-dependent**.
5. Now select a **symbol** for the leakage email message.
6. Select an **action trigger** [4], in this case **leakage sensor**.
7. Select the **condition for triggering** [5], in this case **With every ON**.
8. Under **Add function to action** [6], select the email message you created previously.

5. Completion

Congratulations – you now know how to configure an email message for a leakage event.

Thanks to the leakage sensor and the warning given by the email message you can detect any malfunctions which occur in good time and minimise the damage they cause.

Smart Visu Server

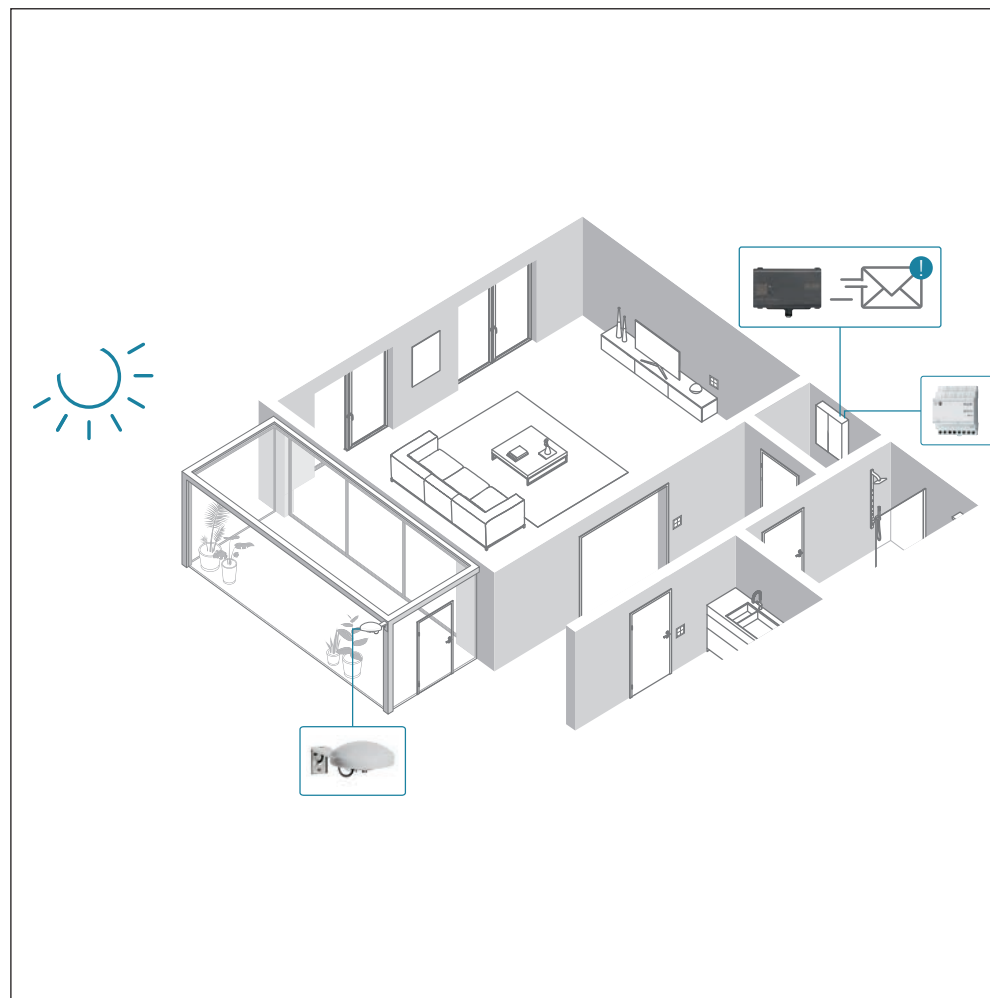


How can I set up email messaging for a temperature limit value?

6. Introduction

Using email messaging you will receive an email message about a range of different events, for example an upper or lower limit violation of a specified temperature.

You decide which events inside your KNX equipment should be reported. You can either set up yourself or another person/several people as recipients for the email. This enables you to detect unfavourable conditions (e.g. if there is a leak, temperature change or strong wind) in good time and minimise the follow-on damage.



COMPONENTS JUNG	PART NO.	QUAN- TITY
Smart Visu Server	SV SERVER	1
KNX universal weather station	2225 WS U	1
Power supply	WSSV 10	1

7. Overview

An email message for an upper or lower limit violation for a temperature limit value you have specified can be set in just a few steps.

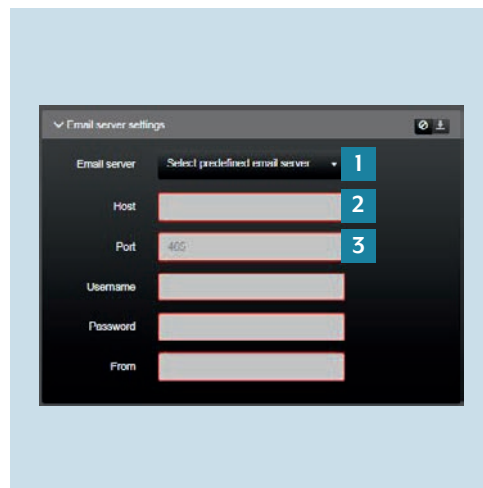
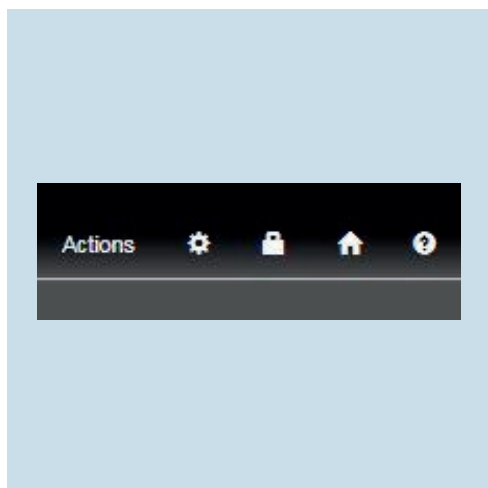
The table here gives an overview of the necessary steps.

The individual steps are described in detail on the following pages.

STEP	PAGE
1. Set up email server settings	13
2. Create temperature limit value function	14
3. Create email messaging function	15
4. Create email messaging action	16

8. Set up email server settings

First of all you should specify the email server settings for your email provider.



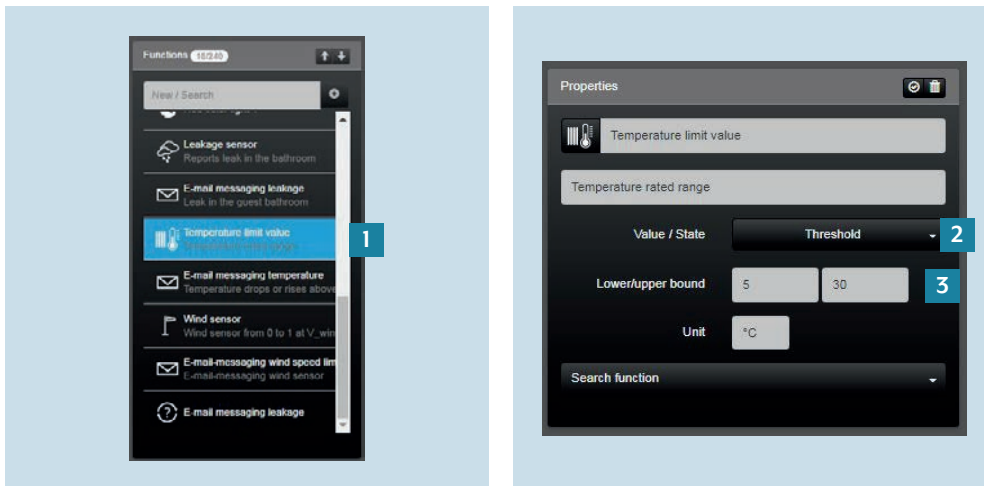
1. Open your system settings in SV Control using the [cogwheel](#).
2. In the email server settings tab, you will find the preset email server settings for several providers under [Email server](#) [1]. If you do not use any of the listed providers you will have to enter the [host](#) [2] and [port](#) [3] for your provider.
You can find out the host and port used by your provider via <https://www.pop3-imap-smtp.de>.

9. Creating the temperature limit value email message

Now you can specify the functions and limit values whose exceedance would result in an email message.

9.1 Creating the temperature limit value function

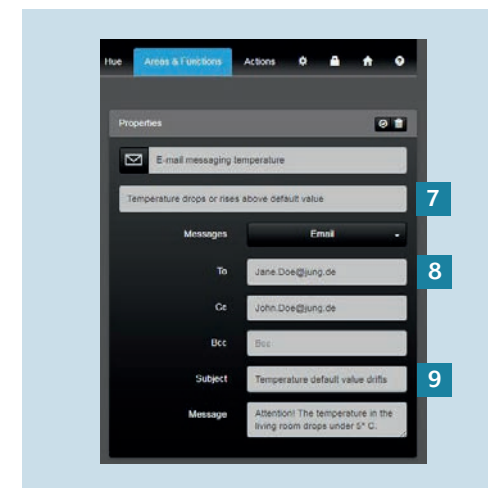
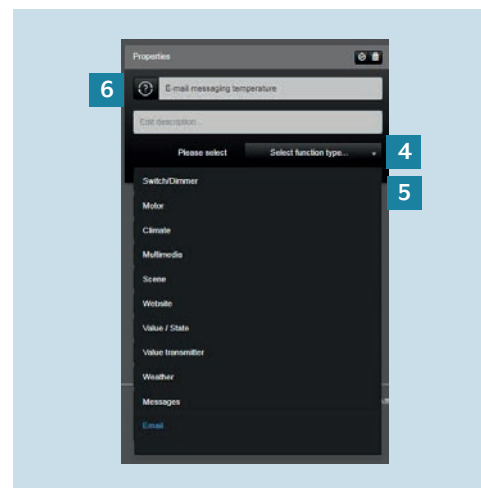
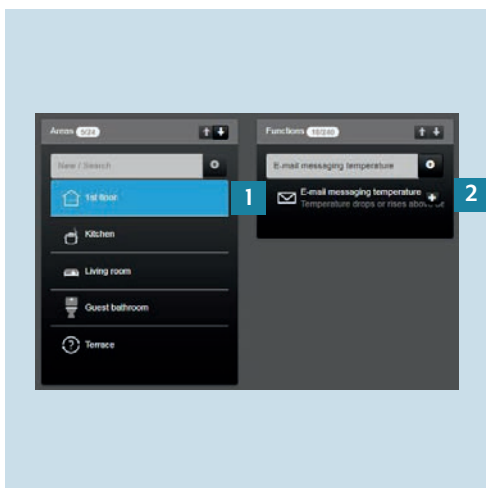
First, under Functions, specify the temperature limit value for whose upper or lower limit violation you will receive an email.



1. Under Functions, select the **temperature limit value** [1].
2. Select **Threshold** [2] as a value / status.
3. Specify the required **lower/upper bound** [3] and enter the unit °C. A lower or upper limit can be, for example, 5 and 30°C.

9.2 Creating the email messaging function

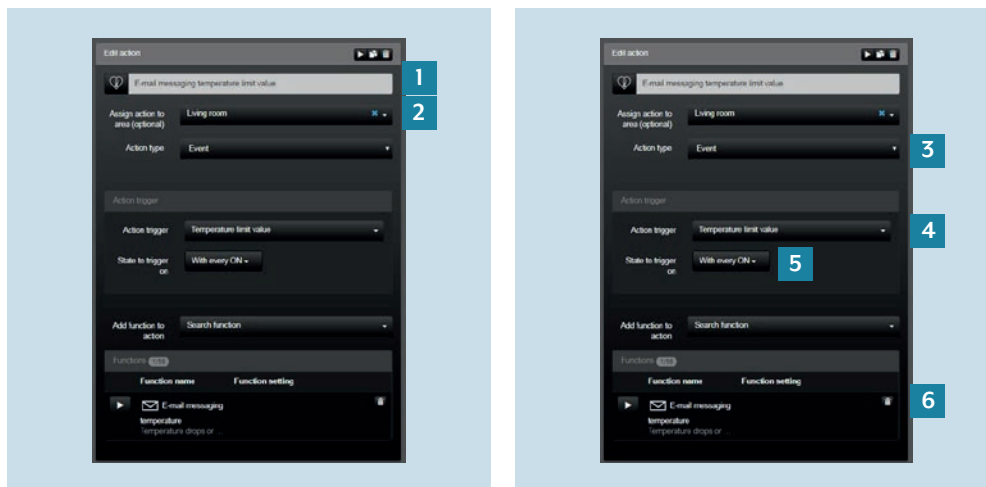
The next step, under Functions, is to specify the temperature limit value for whose upper or lower limit violation you will receive an email.



1. Select a zone, for example first floor, kitchen or conservatory in the **Areas & Functions** tab under **Areas** [1].
2. Now, under **Functions**, create the **temperature limit value email message** [2].
3. Under **Functions**, select the **temperature limit value email message** [3] you have just created.
4. Now, under **Properties**, specify a **description** [4] and a **function type**.
5. For the function types, use the **pull-down menu** [5] to first select **message** and then **email**.
6. If you tap **Symbol** [6] you can select the symbol you want to use for the **temperature limit value email message**.
7. Enter a **description** [7], e.g.: temperature decreasing below or increasing above specified value.
8. Enter the **email address** [8] of the required recipient in addition to the CC and BCC recipients.
9. Last of all, enter an individual **subject** and an individual **message** [9].

9.3 Action create email messaging

Last of all you create an action which sends you an email message if the temperature limit value you specified above has been fallen below or exceeded.



1. In SV Control, go to **Actions**.
2. Create a new **temperature limit value email message** [1] action for the function you have just created.
3. In the **edit action** [2] field, allocate the action to an area.
4. Now select an **action type** [3], in this case **event-dependent**.
5. Select an **action trigger** [4], in this case **temperature limit value**.
6. Select the **condition for triggering** [5], in this case **With every On**.
7. Under **Add function to action** [6], select the email message function you created previously.

10. Completion

Congratulations – you now know how to configure an email message for an upper or lower limit violation of a temperature limit value.

Thanks to the temperature sensor and the warning given by the email message you can detect any temperature fluctuations which occur in good time and minimise the damage they cause.

Smart Visu Server

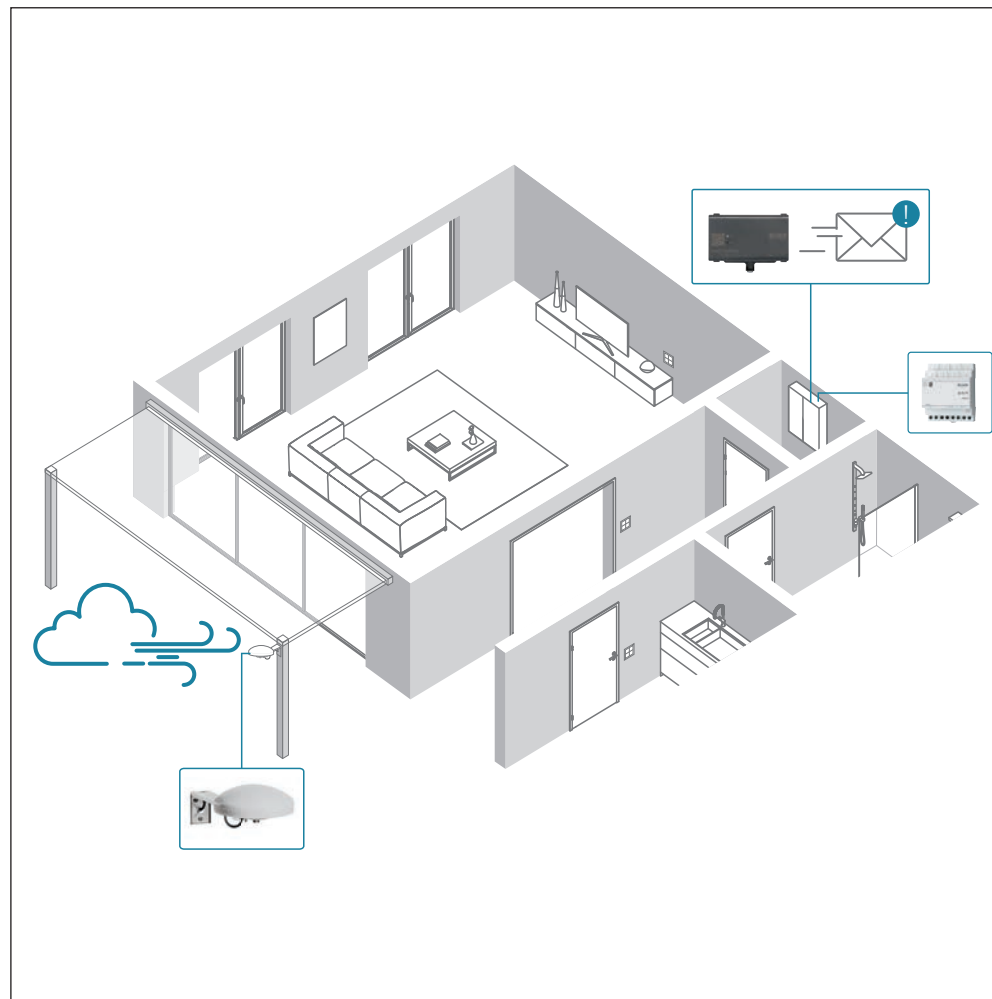


How can I set up email messaging for a wind sensor?

11. Introduction

Using email messaging you will receive an email message about a range of different events, for example exceedance of a specified wind speed.

You decide which events inside your KNX equipment should be reported. You can either set up yourself or another person/several people as recipients for the email. This enables you to detect unfavourable conditions (e.g. if there is a leak, temperature change or strong wind) in good time and minimise the follow-on damage.



COMPONENTS JUNG	PART NO.	QUAN- TITY
Smart Visu Server	SV SERVER	1
KNX universal weather station	2225 WS U	1
Power supply AC 24V	WSSV 10	1

12. Overview

An email message for the exceedance of a wind speed limit value you have specified can be set in just a few steps.

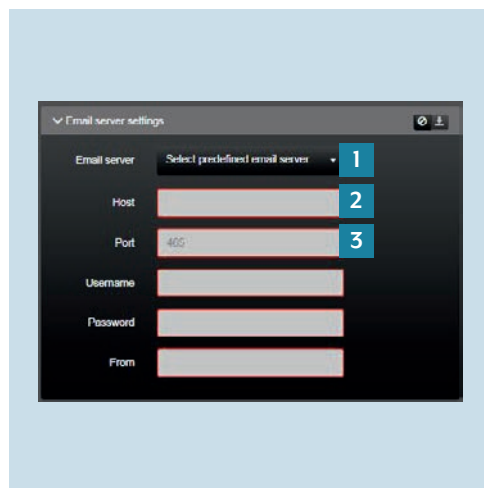
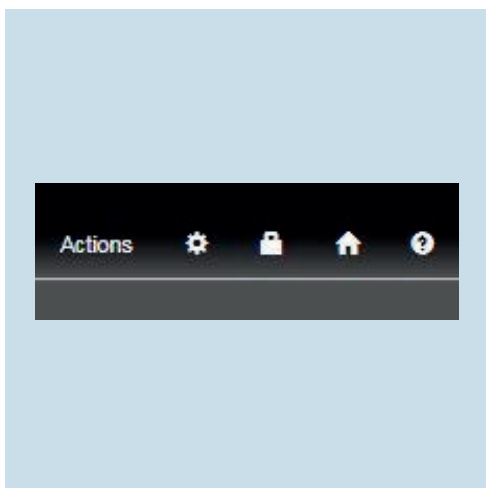
The table here gives an overview of the necessary steps.

The individual steps are described in detail on the following pages.

STEP	PAGE
1. Set up email server settings	21
2. Create wind speed limit value function	22
3. Create email messaging function	23
4. Create email messaging action	24

13. Set up email server settings

First of all you should specify the email server settings for your email provider.



1. Open your system settings in SV Control using the [cogwheel](#).
2. In the email server settings tab, you will find the preset email server settings for several providers under [Email server](#) [1]. If you do not use any of the listed providers you will have to enter the [host](#) [2] and [port](#) [3] for your provider.
You can find out the host and port used by your provider via <https://www.pop3-imap-smtp.de>.

14. Creating the wind speed limit value email message

Now you can specify the parameters whose exceedance would result in an email message.

14.1 Creating the wind speed limit value function

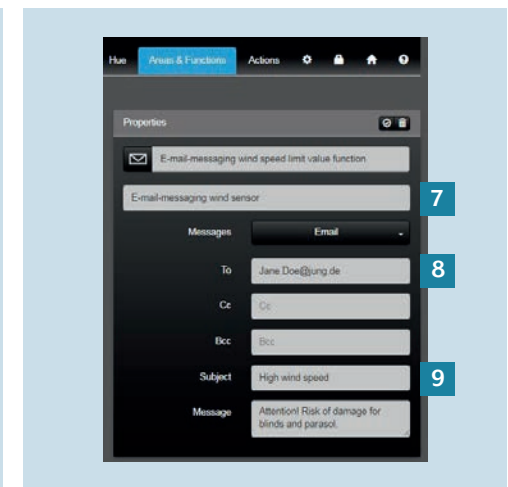
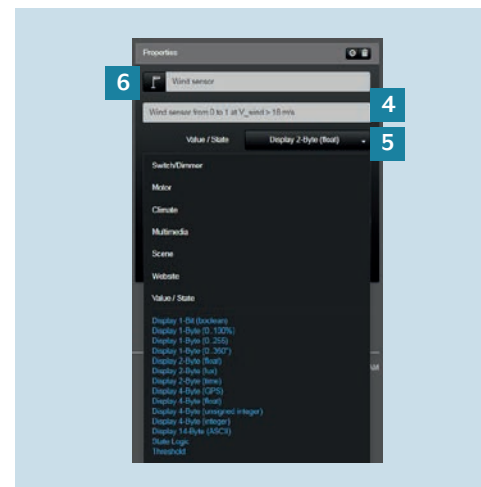
First specify the wind speed limit value for whose exceedance you will receive an email under Functions.



1. Select **Display 2-byte (floating point off)** [1] as value / status.
2. Select the group address [2] with the designation wind speed.
3. Enter m/s as the **unit**[3] for the wind speed.
4. Select **values** [4] from the pull-down menu.
5. Select **Threshold** [5] as a value / status.
6. Specify the required **lower / upper bound** [6] and enter m/s as the unit. The upper limit value could be, for
7. example, 18 m/s (equivalent to 65 km/h).

14.2 Creating the email messaging function

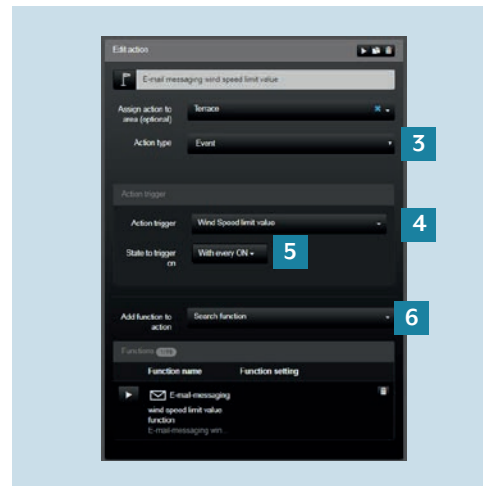
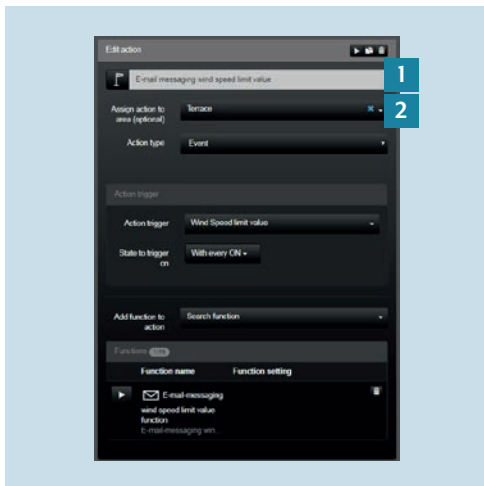
In the next stage you specify the general settings for the function. After this you will write a few basic settings.



1. Select a zone, for example first floor, kitchen or guest bathroom in the **Areas & Functions** tab under **Areas** [1].
2. Now, under **Functions**, create the **Wind speed limit value email message** [2].
3. Under **Functions**, select the **wind speed limit value email message** [3] you have just created.
4. Now, under **Functions**, create the **wind sensor email message** [4].
5. Select **Display 2-byte (floating point)** as the **value** [5].
6. If you tap **Symbol** [6] you can select the symbol you want to use for the **wind speed limit value email message**.
7. Enter a **description** [7], e.g.: should send message if windspeed exceeds specified value.
8. Enter the **email address** [8] of the required recipient in addition to the CC and BCC recipients.
9. Last of all, enter an individual **subject** and an individual **message** [9].

14.3 Create email messaging action

Last of all you create an action which sends you an email message if the windspeed limit value you specified previously has been exceeded.



1. In SV Control, go to **Actions**.
2. Create a new **wind speed limit value email message** [1] action for the function you have just created.
3. In the **edit action** [2] field, allocate the action to an area.
4. Now select an **action type** [3], in this case **event-dependent**.
5. Select an **action trigger** [4], in this case **Wind Speed limit value**.
6. Select the **condition for triggering** [5], in this case **With every ON**.
7. Under **Add function to action** [6] select the email message you created.

15. Completion

Congratulations – you now know how to configure an email message for exceedance of a wind speed limit value.

A connected wind sensor can warn you in good time about damage to external facades, to awnings or sunshades in the garden or on the balcony if the wind speed is high (for example at a selected wind speed of 18 m/s or 65 km/h).

Any questions?

We are pleased to help.

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