



SITECO Connect 31

Generation 2 Commissioning Instruction V1.0

Hardware : Controller 5LZ910100A, Sensor 5LZ910200A, Touchpanel 5LZ910300

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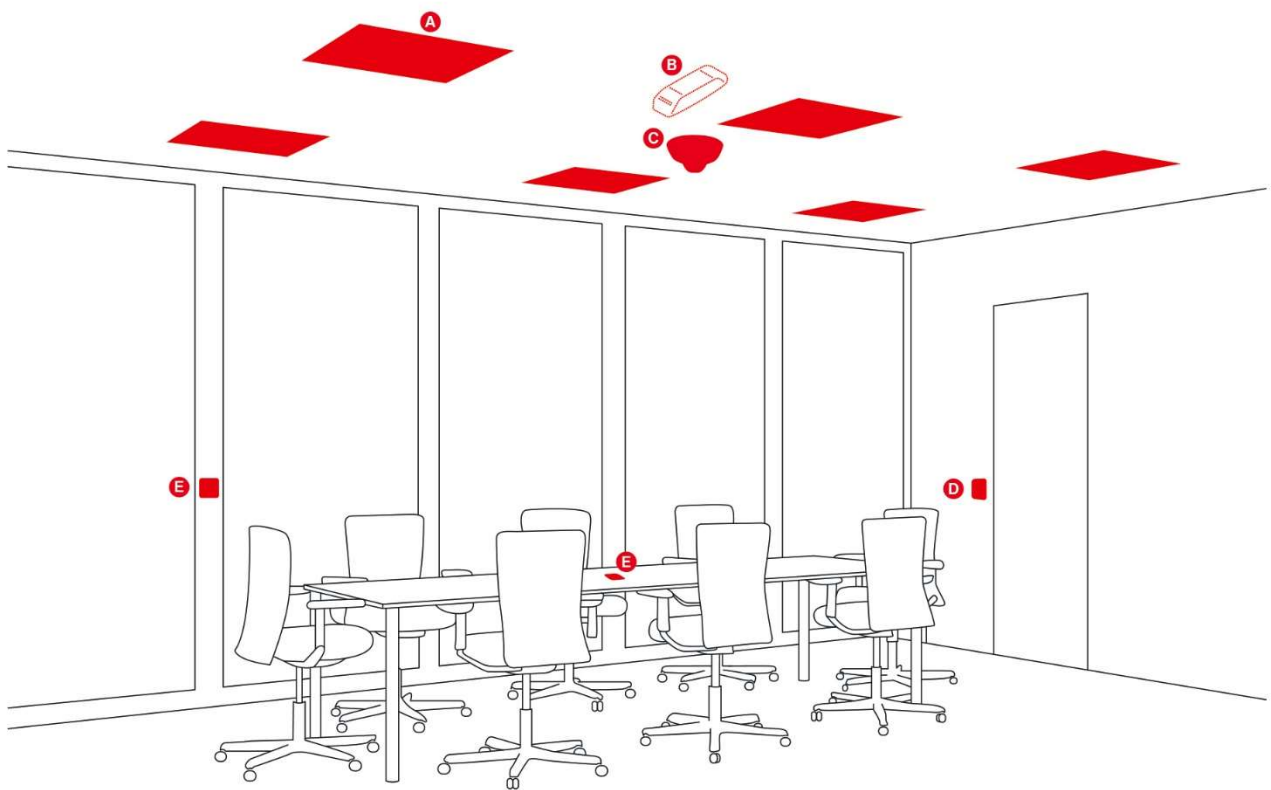
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1. Overview

Meeting room 1 in an office building will be equipped with SITECO Connect 31 Gen2.



2. Functional Scope

2.1

Realized functions

- presence and movement detection with sensor (C)
- daylight detection with sensor (C)
- choose lighting scenes with touchpanel (E)
- semi-automatic mode (manual ON with pushbutton on entrance door (D)
- if movement is no longer detected in a lighting scene, the lights are switched OFF after the delay time is over

3. Preparations for Commissioning

Mounting and electrical wiring of the components according to the [mounting instruction](#).

An initialization time of max. 1 minute must be observed in the event of a mains recovery. Once this has expired, you can start commissioning.

4. Commissioning

Correctly installed/connected components are required.

4.1

APP installation

Load the SITECO Connect 31 APP onto your smartphone. Please note the system requirements!

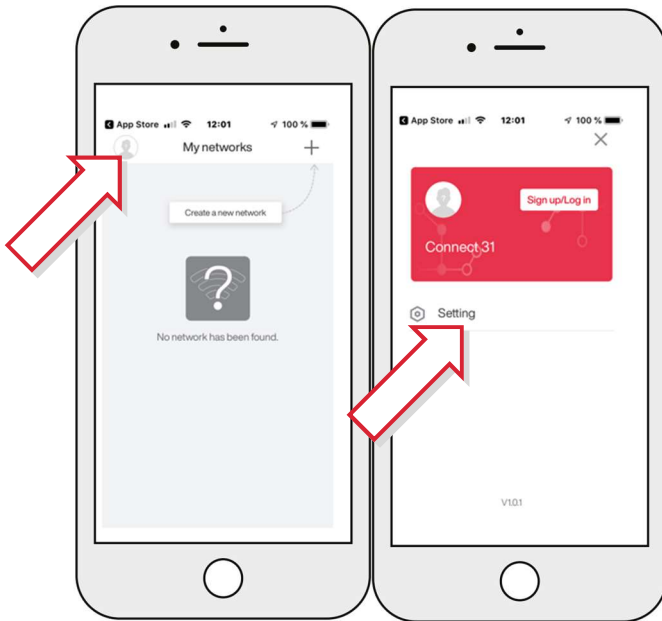
Attention: iPhone 6 and older not compatible!



4.2

Setting the language

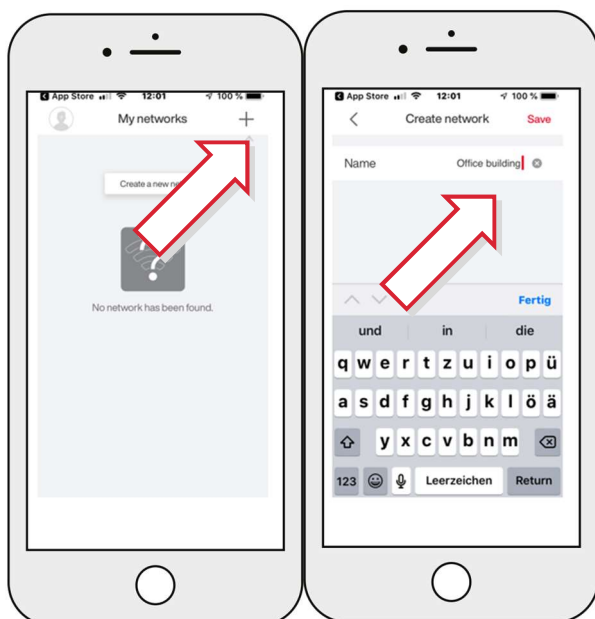
Set the language to "English".



4.3

Create a network

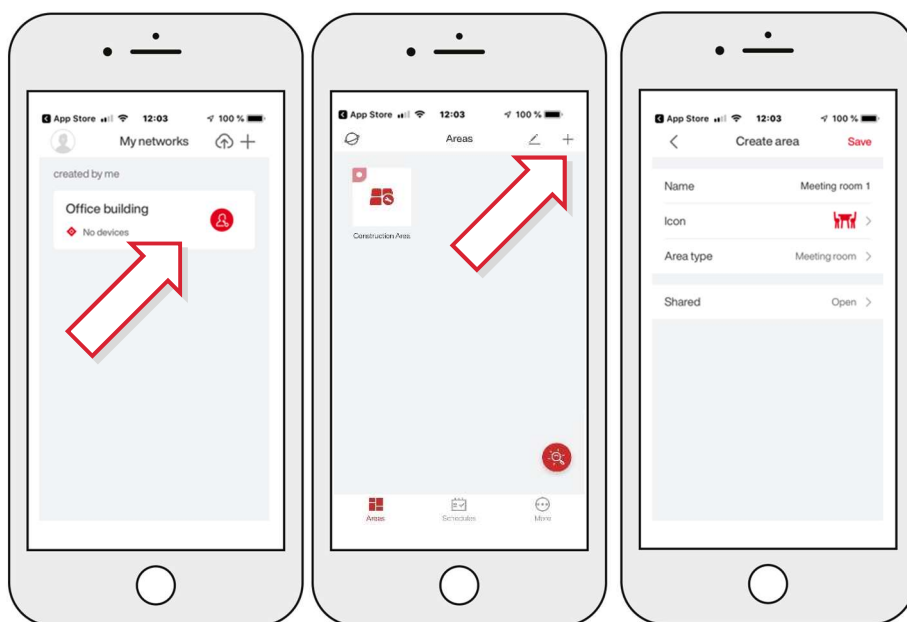
Create a new network called "Office Building".



4.4

Create an Area

Create a new space called "Meeting Room 1".
Select the option "open" under "shared".



Share information networks

option	description
open	The administrator grants authorizations for users which can operate the network without a password.
password protection	The administrator grants authorizations for users which can operate the network with a password.
only administrator	The area / network can only be accessed by the administrator edited and operated.

4.5

Connect the Controller to a construction area

Now add the controller to construction area.

The prerequisite is that the controller has not yet been added to a network / area.

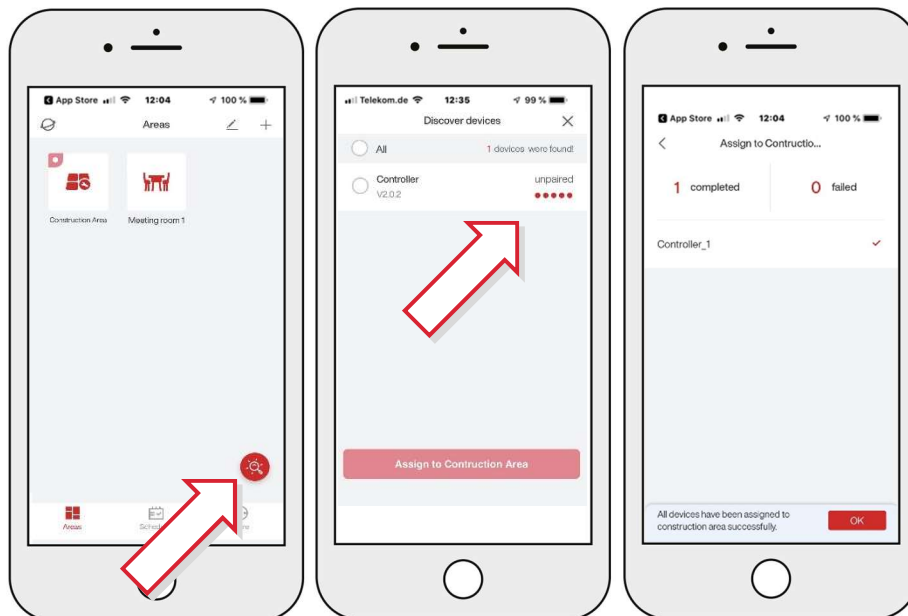
The red "Status" LED on the controller must therefore light up red continuously.

If the "Status" LED lights up green on the controller, this has already been added to another area / network.



You can only insert this into the meeting room by deleting it.

Please set the following in the app:



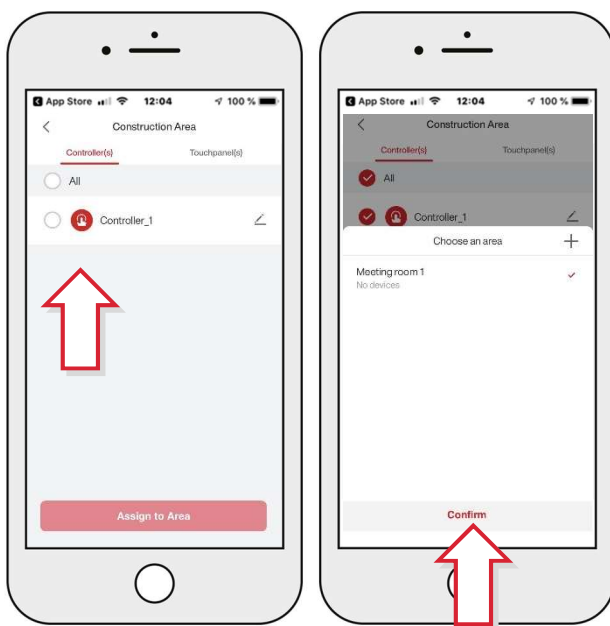
The controller is now automatically inserted into the construction area. This can take up to a minute.

4.6

Localization assistant

Now assign the controller to meeting room 1.

Click the red icon, first click is turn on the light command, then turn off the light command, and then cycle. Locate the light you are turning on and off and assign it to the meeting room 1.



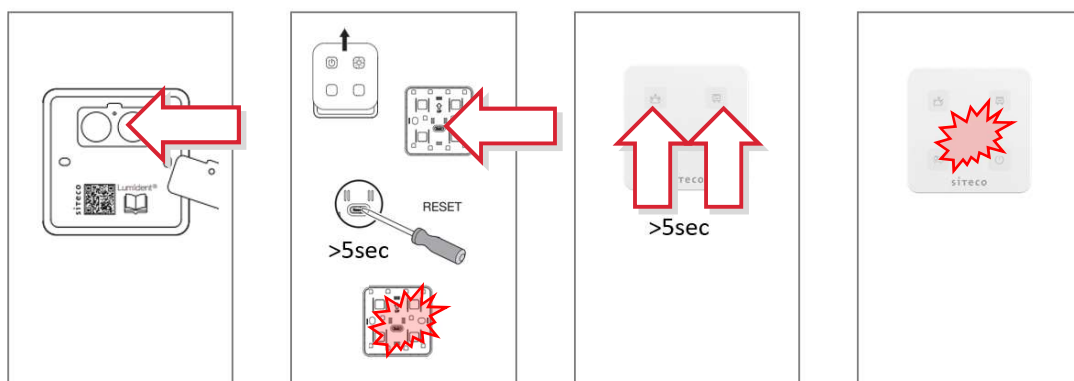
4.7

Connect the Touchpanel to a controller

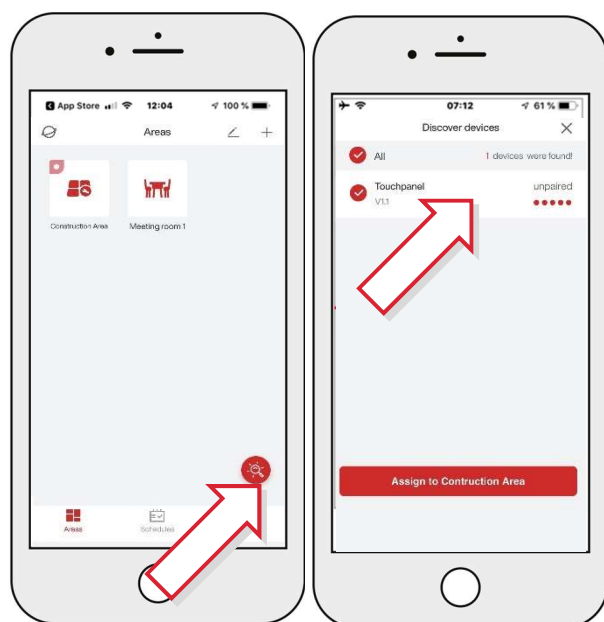
Now add the touch panel to meeting room 1.

Requirement: The touch panel must not yet be assigned to a network / area.

1. insert the batteries
2. press „RESET“ > 5 seconds, until the red LED flashes quickly
3. press the upper buttons simultaneously for > 3 seconds
4. Press the upper buttons simultaneously for > 3 seconds



Please set the following in the app:



The Touchpanel is now automatically inserted into the system. This can take up to a minute.

4.8

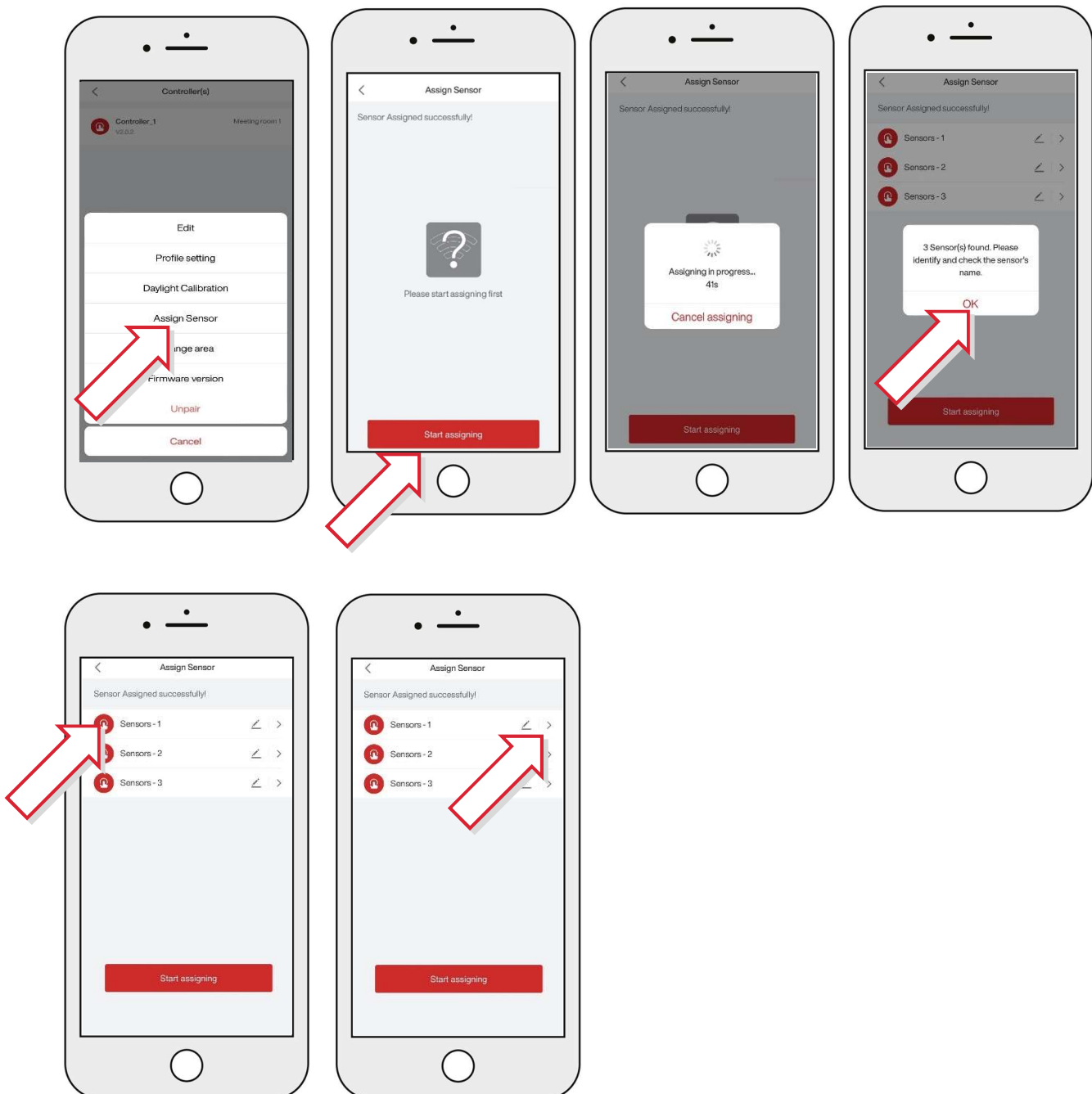
Connect the Sensor to the controller

Now connect the sensor(s) to the controller.

Click the red icon and the red LED on the sensor will flash red for 15 times for location.

Select sensor 1 and make the necessary settings:

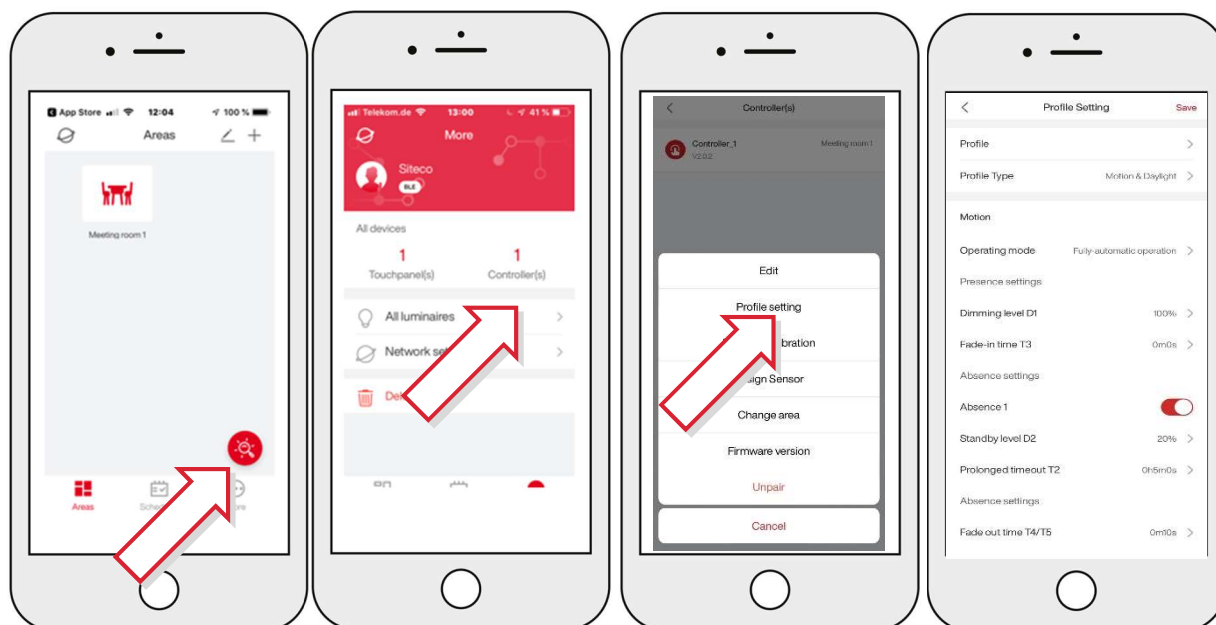
- Movement Detection >> Active
- Delay time T1 >> 15min
- Daylight Detection >> Active



4.9

Profile function setting on the controller

Please set up all functions:



Recommended settings

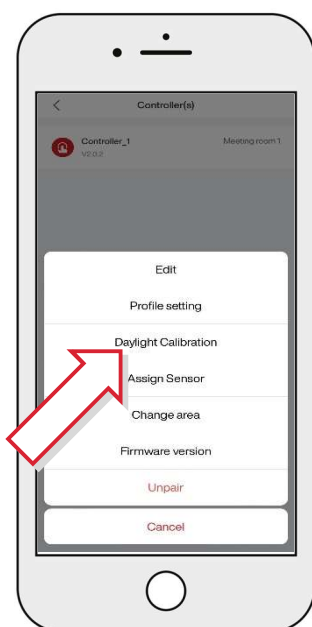
Edit	Recommended setting
Name	Controller
Manual Override Timeout	0h10m (default)
Pushbutton Interface Settings	Pushbutton & On/Off/Dim
Max./min Light Level	1%, 100% (default)
State after power failure	Last state (default)
Ecg dimming curve	Linear (default)
....	
Profile Setting Motion	
Profile	Meeting Room
Profile Type	Motion & Daylight
Operating mode	Semi-automatic operation
Dimming level D1	100%
....	
Profile Setting Daylight	
Daylighting Functionality	Daylight Regulation
Daylight Detection	Switch on above threshold 20%
Switch-off	deactivated
....	
Daylight	
Daylight Functionality	Daylight Regulation
Daylight Detection	

Switch on above threshold	20%
Switch-off	deactivated

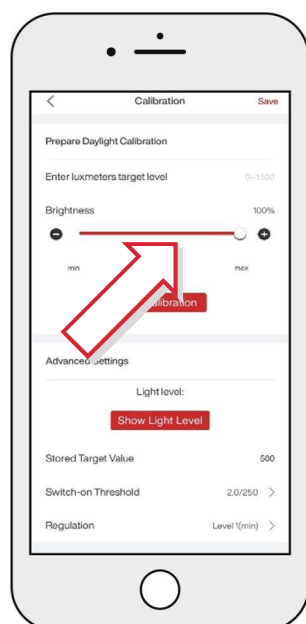
4.10

Calibration of daylight regulation

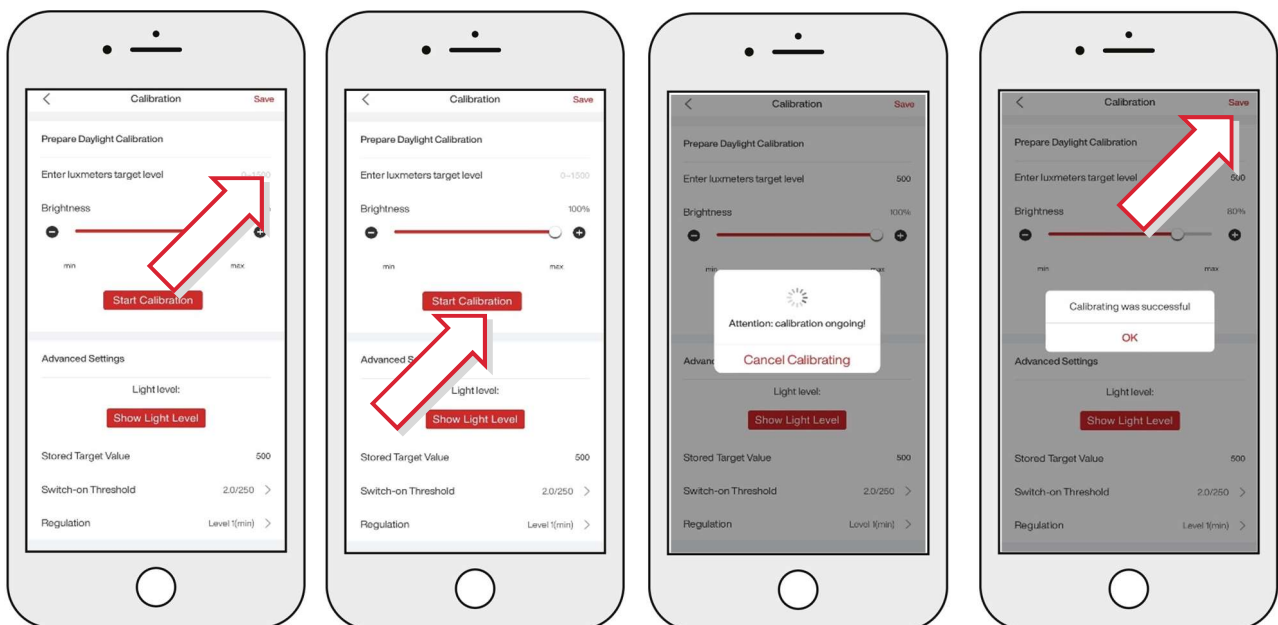
Now do the calibration of the system with the APP.



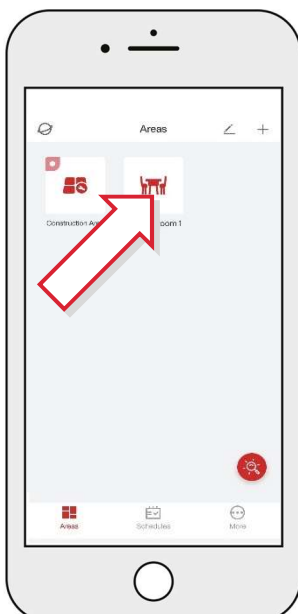
1. Place a calibrated lux meter on the reference measuring surface
2. Slide the Brightness bar to dimming until the lux meter displays the desired desktop luminance value



3. Enter the measured light value in the input field of the APP and start the calibration. The calibration can take a little time. after successful calibration, save the settings



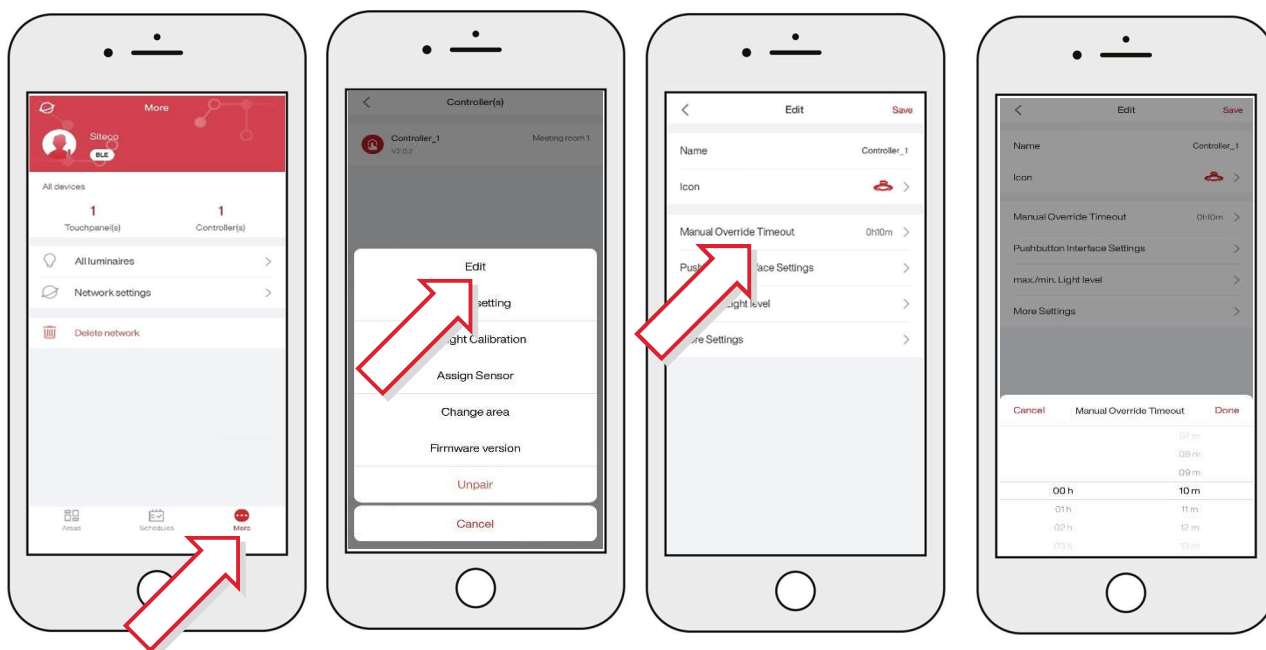
4. Important: to active the daylight regulation please switch the luminaires OFF and ON by the APP



4.11

Additional Setting – Manual Override Timeout for Controller

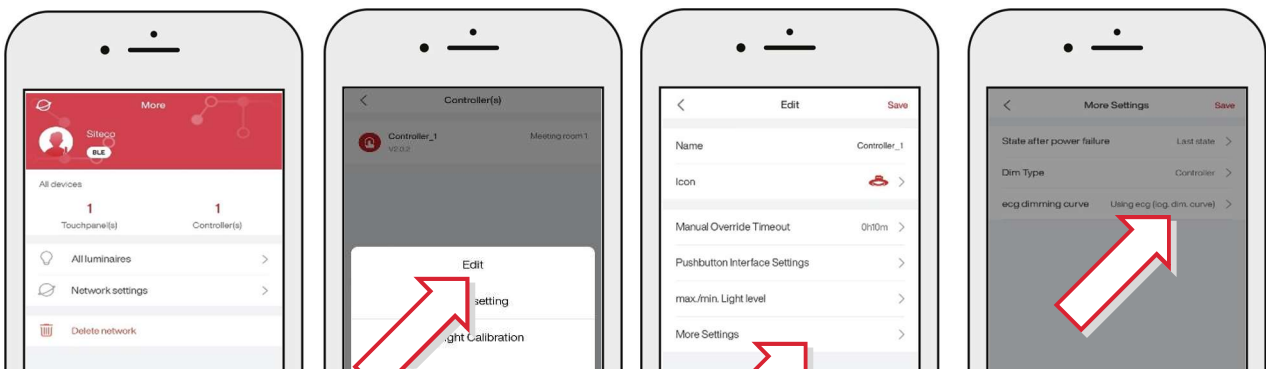
Now set the Manual Override Timeout for Controller.



4.11

Additional Setting – Dimming curve of DALI-ECG

If necessary you can setup the dimming curve of the used driver. Default setting: linear dimming curve



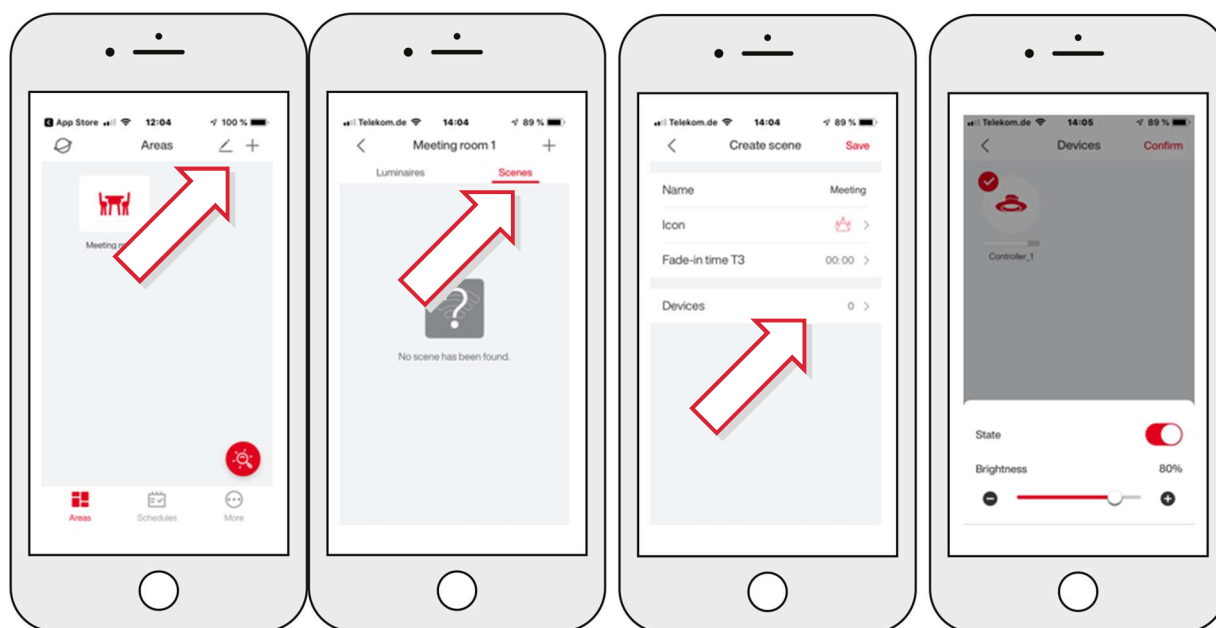
4.12

Set Lighting Scenes

Now create the 3 lighting scenes for meeting room 1.
The creation of a scene is described as an example.

Meeting room 1

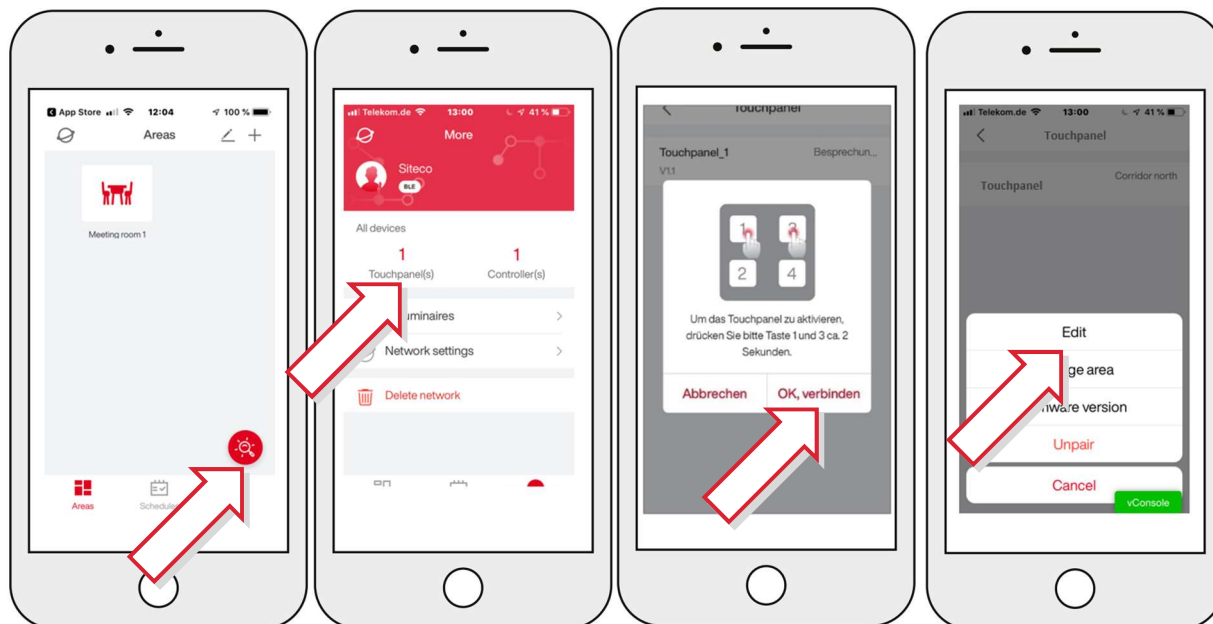
scene	Recommended setting
meeting	80%
presentation	100%
beamer presentation	40%



4.13

Configure touchpanel

Now insert the touch panel in meeting room 1 and configure it to the required scenes.

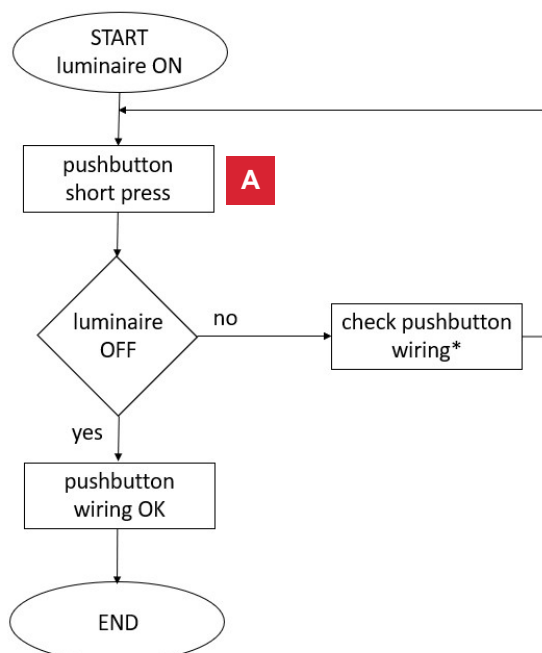
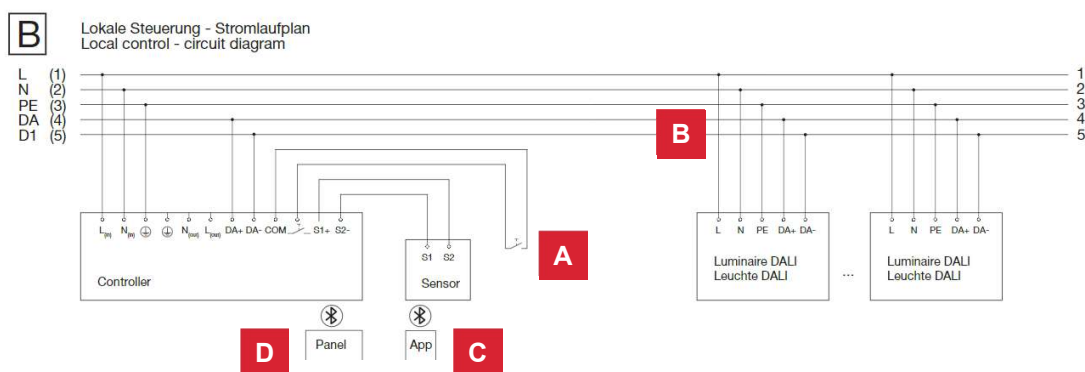


All the necessary settings have now been made. You can now start the function test.

5. Wiring & Connection Test

5.1

Wiring test pushbutton

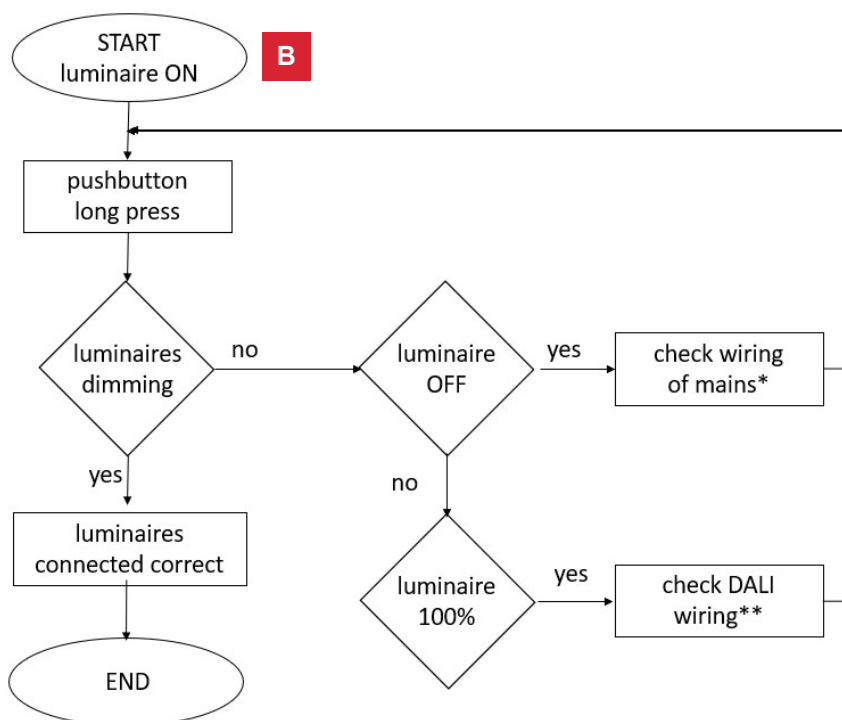


*** to check:**

- open terminal points
- short circuits
- bad clamping points

5.2

Wiring Luminaires



*** to check:**

- mains supply available
- protective earth available?
- bad clamping points

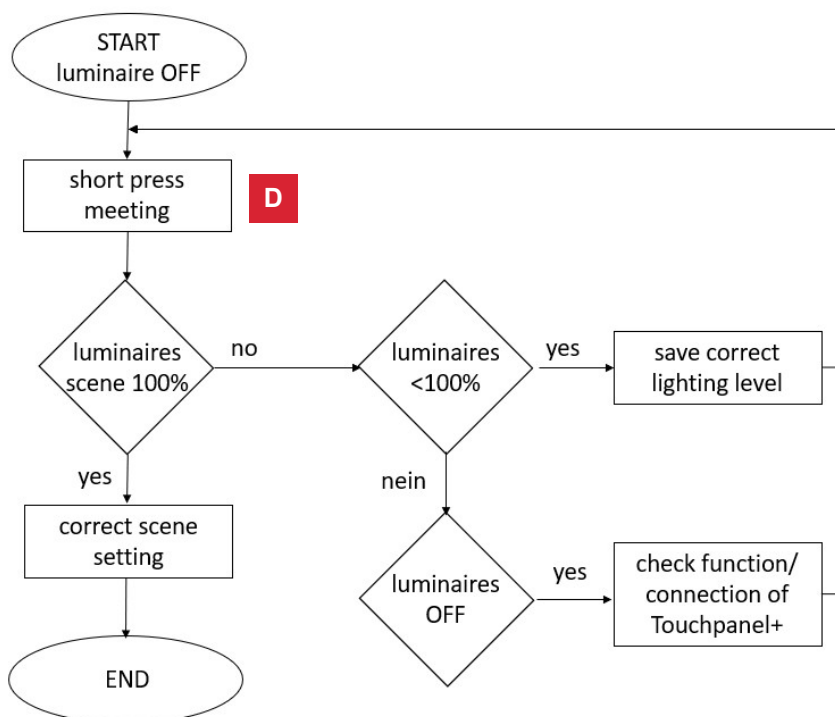
**** to check:**

- DALI available?(14-19VDC)
- bad clamping points

5.3

Touchpanel Test

Check the function of the touch panel by pressing the individual keys.
The procedure for a scene is shown as an example.



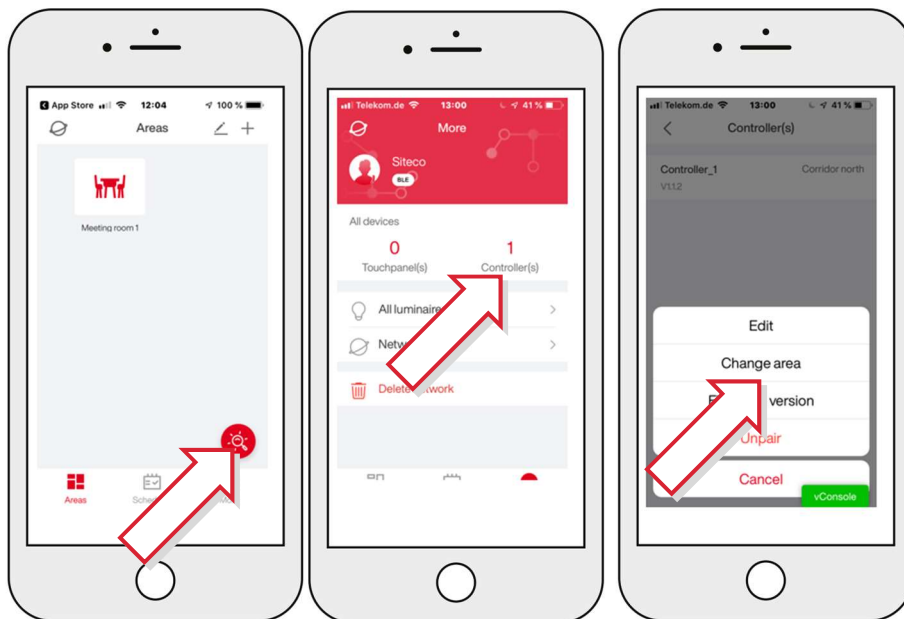
*** to check:**

- battery inserted?
- connected to network?
- green LED flashes when Touchpanels button is pressed

6. Useful Functions

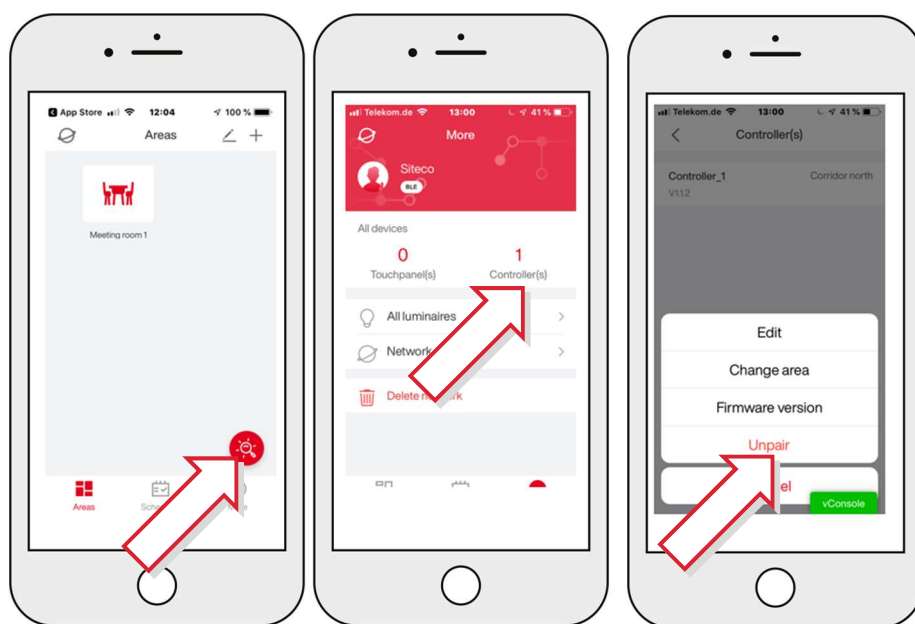
6.1

Assign components to another area



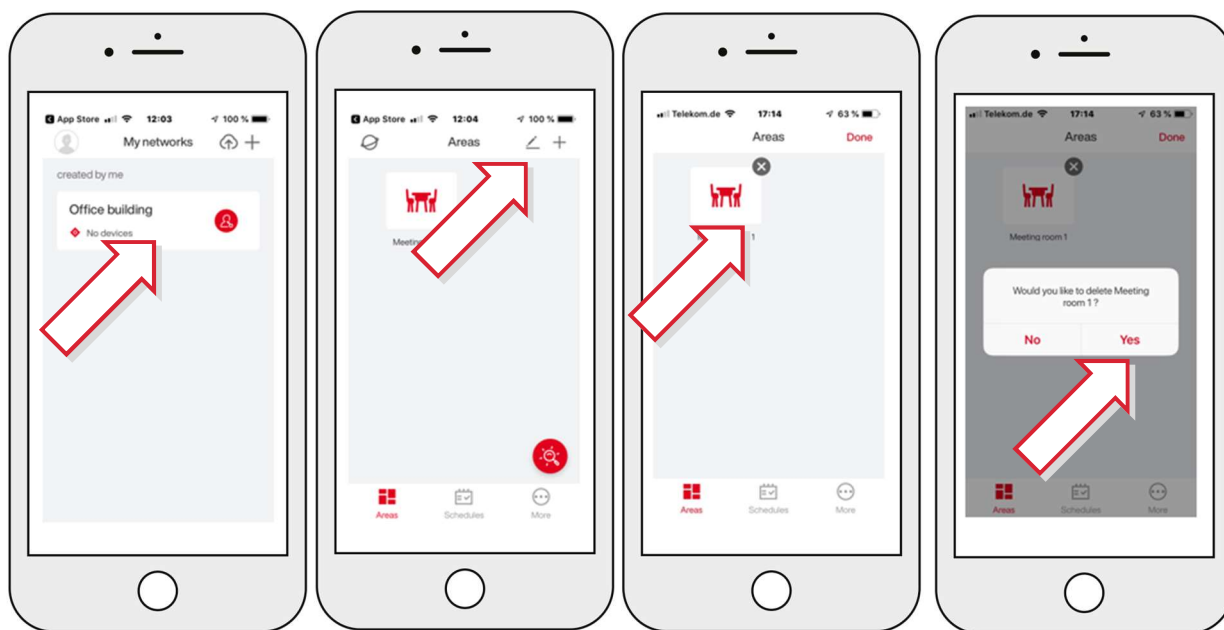
6.2

Delete components



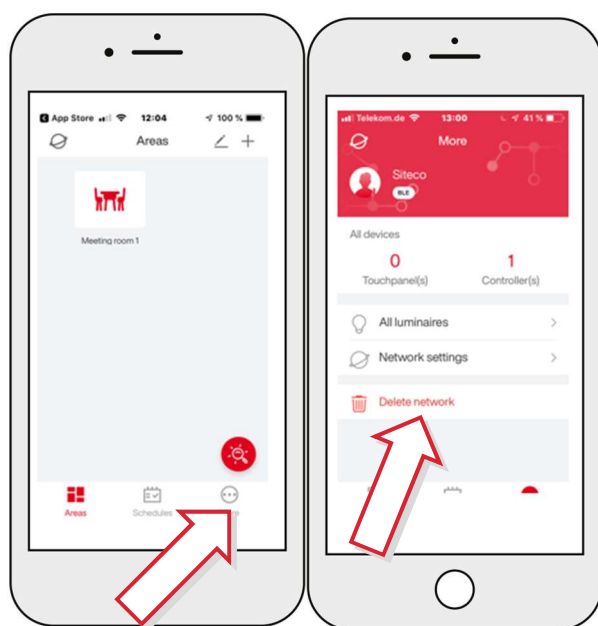
6.3

Delete area



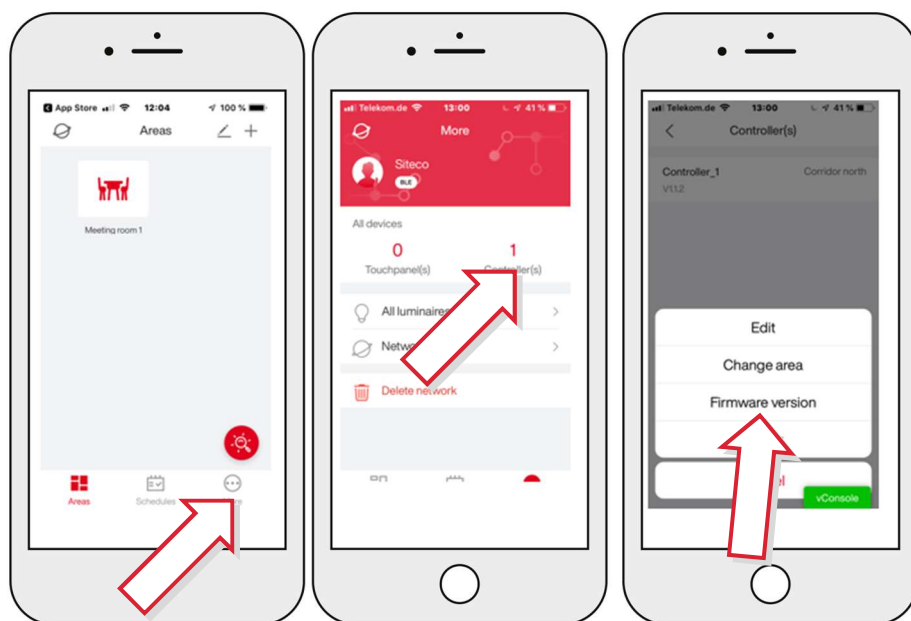
6.4

Delete network



6.5

Firmware (current/update)



7. Troubleshooting

behavior	reason	repairing
sensor does not switch lights OFF	delay time T1 too long	reduce delay time T1
	motion is detected	motions or thermal radiation are detected
	sensor not connected correctly	check electrical connection => LED flashes when motion detected?
	motion not detected	limited by furniture or windows
	sensor is deactivated	activate with APP
push button does not switch the lights ON	push button is deactivated	activate with APP
	push button not connected correctly	check electrical connection
	controller does not work	green / red LED on the controller lit? => controller ready for operation
	controller does not work	red LED means controller was RESETTED by the controllers button => configure new with APP
	DALI wiring	check wiring between controller and luminaires
touchpanel does not work	battery empty or not inserted	green LED does not flash when actuated
	Touchpanel not in network	activate with APP
	Touchpanel not configurated	activate with APP
	Touchpanel not paired	red LED does not flash when actuated => configure with APP
	Controller not in function	red LED means Touchpanel was RESETTED by the controllers button => configure new with APP

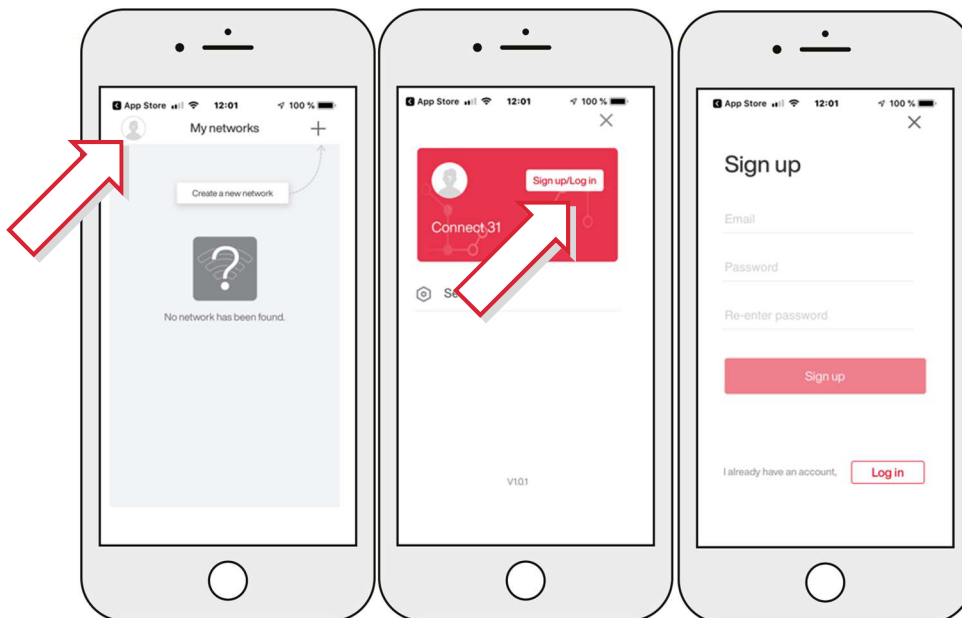
8. Optional Control with Smartphone

In meeting room 1, an employee should also be given the option of using a smart phone. To do this, please establish the Internet connection with your smartphone.

8.1

Create an account

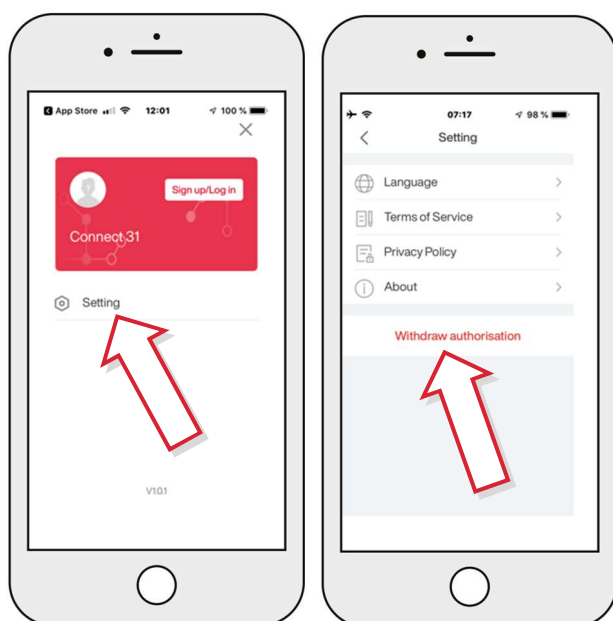
Create your SITECO Connect 31 Account.



Now confirm the verification email in your mailbox and follow the instructions. You can now start with the commissioning.

8.2

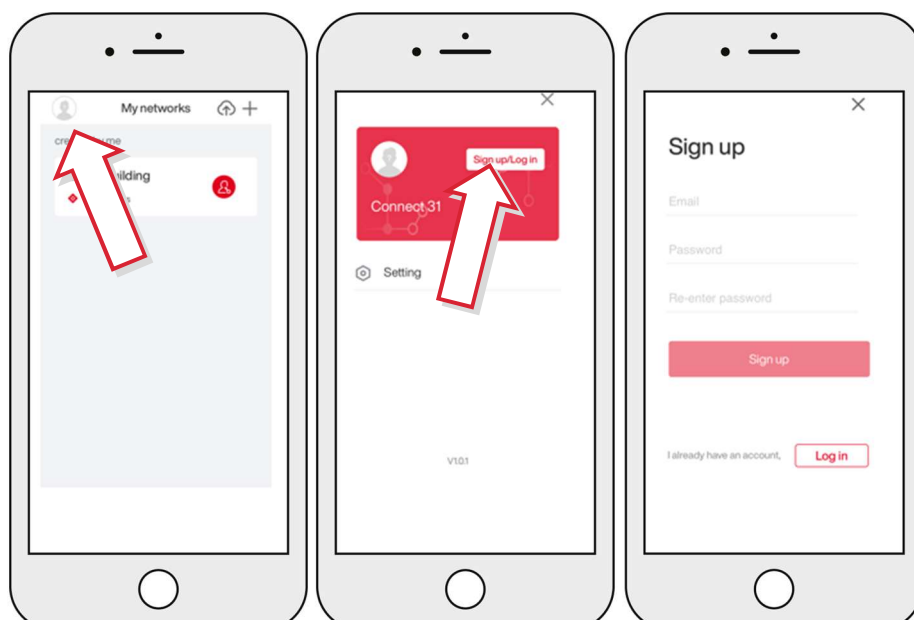
Delete account



8.3

Log In

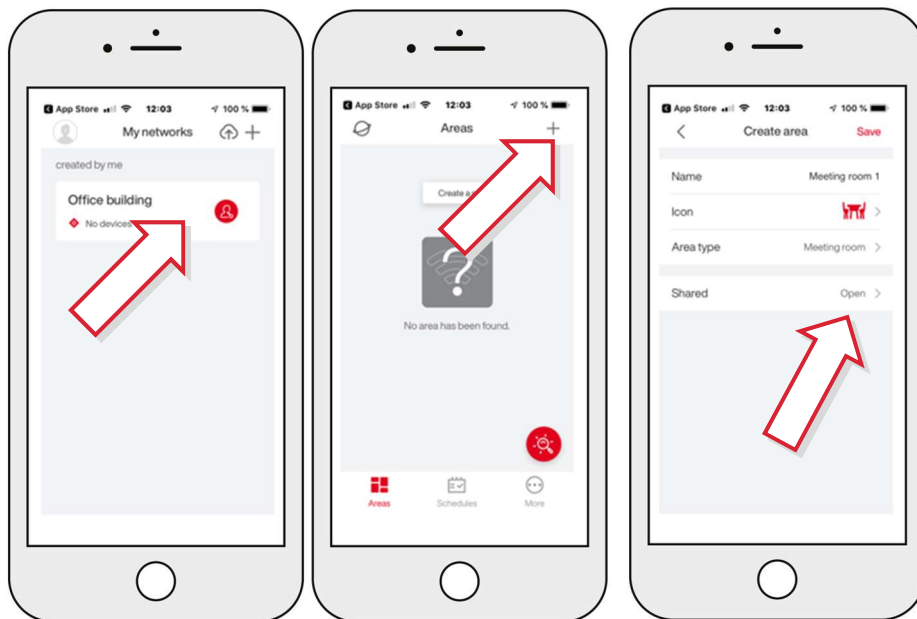
Log into your account (administrator).



8.4

Setup network options

Under “shared”, select the option “open” or “password protection”.



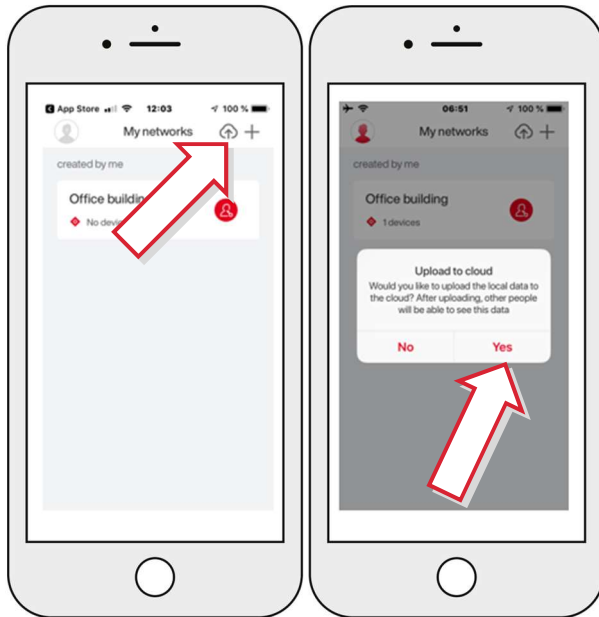
Networks

option	description
open	The administrator grants authorizations for users which can operate the network without a password.
password protection	The administrator grants authorizations for users which can operate the network with a password.
only administrator	The area / network can only be accessed by the administrator edited and operated.

8.5

Load network into cloud

Now load the “office building” network into the SITECO Connect 31 cloud.



8.6

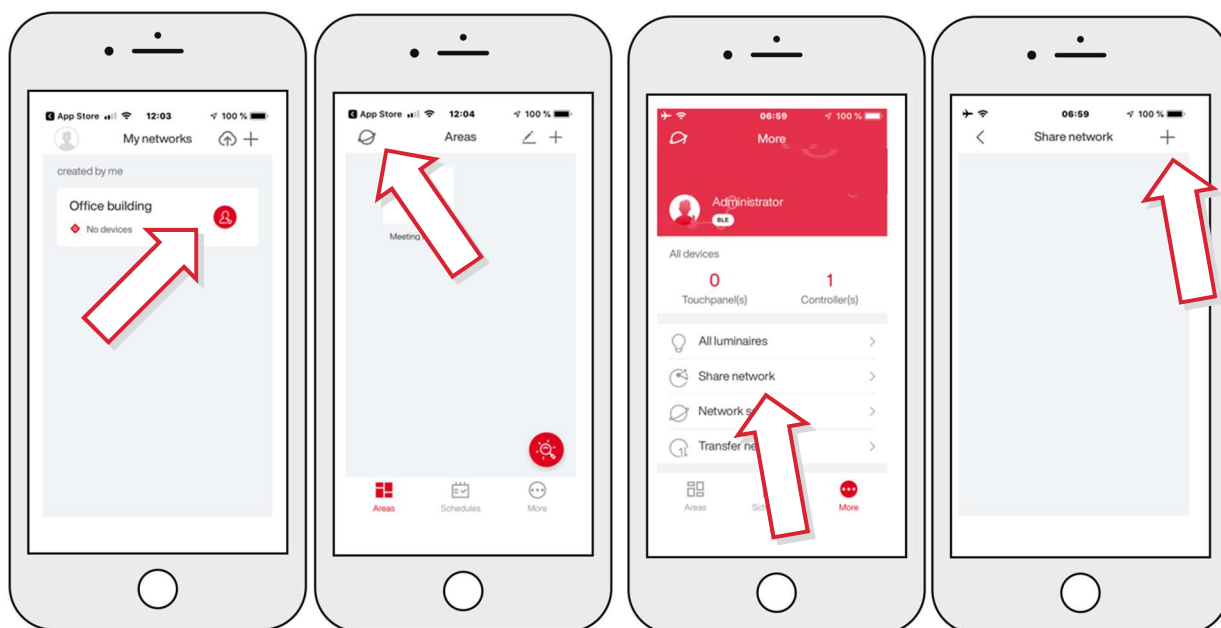
Share network

Now share the network with the relevant users.

You can define as many users as you want.

The user receives an email for verification.

The prerequisite is that the user has the SITECO Connect 31 APP and an account.



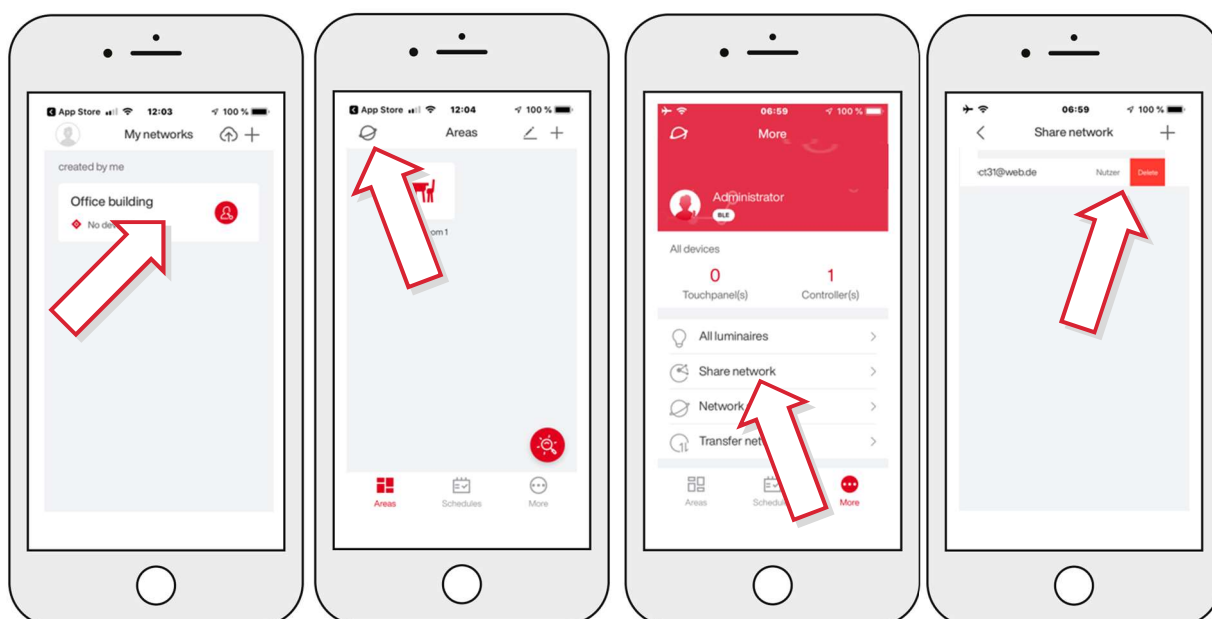
After approval, the user receives an email for verification and can now use meeting room 1.

9. Tips and Tricks

9.1

Withdraw authorization

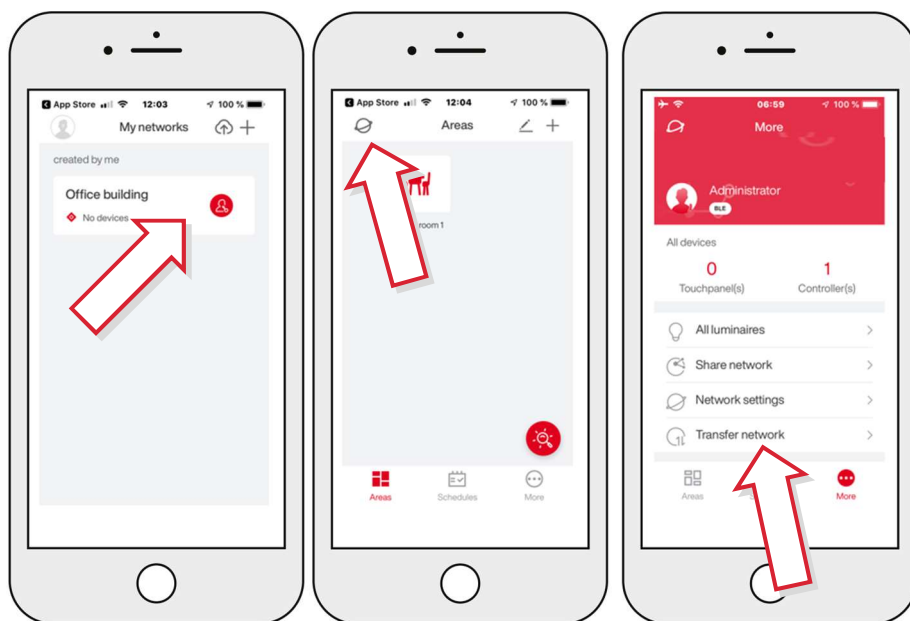
You can withdraw the authorization for meeting room 1 from the user.



9.2

Share administrator rights

You can hand over the administrator rights to a colleague.
Important: only one administrator is possible.



10. Contact

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