

myTEM SmartHome

myTEM ProgTool

Wizard

1

Please enter project name

myHome

Please select your myTEM SmartHome Server

The myTEM Smart Server is available in the version with radio communication or for installation in the control cabinet.

2



1

myTEM Radio Smart Server

With the radio server, you can easily install your myTEM SmartHome without additional cables.

2



2

myTEM Smart Server

For installations in new buildings or major renovations, you can use the professional components, which are mounted in the control cabinet.

3

Assistant

Finish

Cancel

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Version	Date	Visum	Status	Remark
V 0.4 en	22.05.19	Fs	Tranlation to english	
V 0.5 en	29.05.19	Fc	Preliminary	Inserted new chapters 3.4.3 & 3.4.4 and added chapters 3.4.14 to 3.4.17
V 0.6 en	24.06.19	Fc	Preliminary	Added a hint in chapter "Reset Z-Wave to Factory Settings" Corrected max. number of units in association group Corrected version of command classes
V 0.7 en	19.07.19	Km / Fc	Preliminary	Corection of Z-Wave definition Changed chapter 3.4.16 Added chapter 3.4.18 Added "Learn mode" in chapter 8.1
V 0.8 m	21.10.19	Fc	Preliminary	Disply of the DSK added in chapter 3.4.3

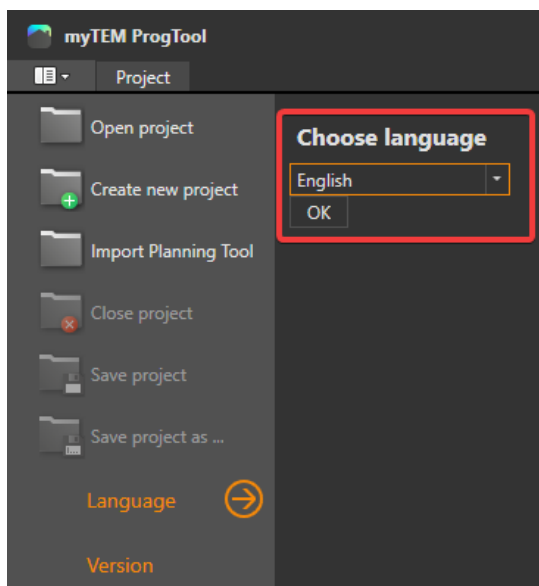
Contents

1	Choose language	6
2	Create new project	6
2.1	First steps	7
2.1.1	Program overview	7
2.1.2	Menu bar	8
2.1.3	Create a new drawing page	10
2.1.4	Add function block	11
2.1.5	Blöcke verbinden	12
2.1.6	Delete a connection	13
2.1.7	Connect device inputs / outputs	14
2.2	Create a project with the Assistant	14
2.2.1	Add new room	14
2.2.2	Jalousie-Funktion erstellen	15
2.2.3	Create a light function	17
2.2.4	Create a heating function	18
2.2.5	Status of created functions	19
2.2.6	Finish assistant	20
3	Device- Management	21
3.1	Devices in project tree	21
3.2	Extensions	21
3.2.1	Add to Server, not connected	21
3.2.2	Assign / replace device	23
3.2.3	Add- Server connected	24
3.2.4	Rename extension	25
3.3	Input and output settings	25
3.3.1	Rename	25
3.3.2	Analog inputs	25
3.3.3	Analog outputs	26
3.4	Z-Wave Devices/Extension	27
3.4.1	Add device	27
3.4.2	Remove device	29
3.4.3	Set Learn Mode	30
3.4.4	Include myTEM Radio Server or myTEM Smart Server to existing network	30
3.4.5	Status-overview	30
3.4.6	Control devices via On / Off	31
3.4.7	Set intervall of the devices	31
3.4.8	Check if a device is reachable	32
3.4.9	Replace device	32
3.4.10	Remove device	32
3.4.11	Reload device	32
3.4.12	Update device	33
3.4.13	Device settings	33
3.4.14	Reset Z-Wave to Factory Settings	34
3.4.15	Include devices from multiple manufacturers in one network	35
3.4.16	Initiate a Replication / Controller Copy	35
3.4.17	Send a Node Information Frame	35
3.4.18	Behavior of Radio Server Receiving a Basic Command	35
3.5	Dali- Devices	35
3.6	Dali initialization	36
3.6.1	Add device to project	36
3.6.2	Change the device name	37
3.6.3	Test Device	37
3.7	Extensions by existing DALI Systems	37
3.8	Searching for existing devices	38
3.9	Create Groups	39
3.10	Create RGB(W) Devices	40
4	Connect to Server	41
5	Project simulation	43
5.1	Start and stop simulation	43

5.2	Set simulation time	44
6	Mobile App visualization.....	45
6.1	Users and User groups	45
6.1.1	Create user group	45
6.1.2	Add new user	45
6.2	Rooms	46
6.2.1	Create new room.....	46
6.3	Visualize / display a function	47
7	Server firmware update	47
8	Appendix	48
8.1	Associations	48
8.2	Z-Wave Supported Command Classes.....	48
8.3	Basic Command Handling.....	49

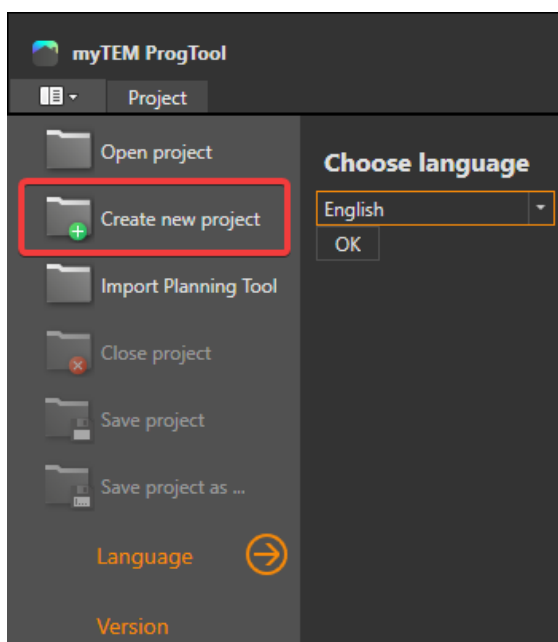
1 Choose language

The language is automatically adopted by the system. This can be set in the main menu.



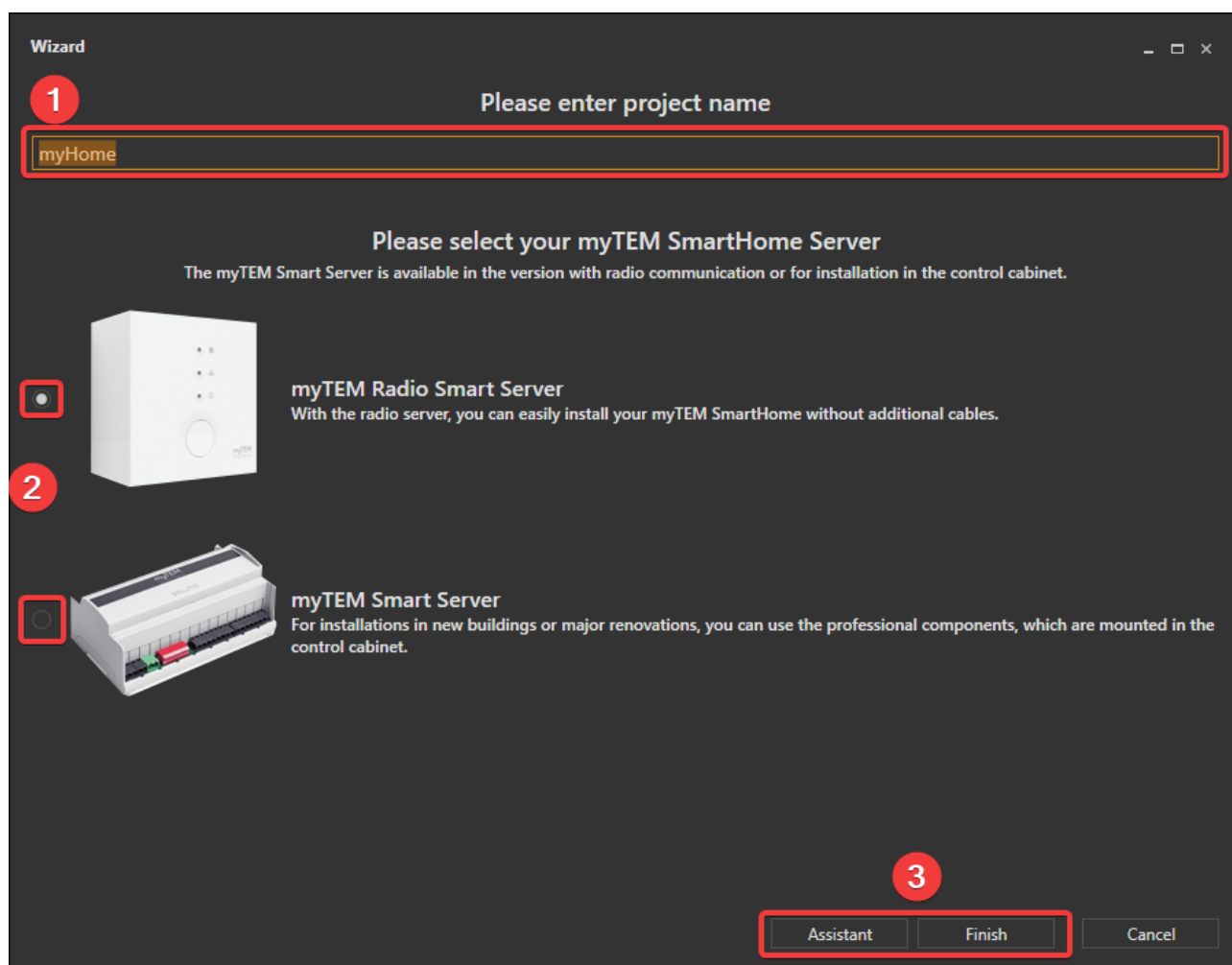
2 Create new project

In order to create a new project, the menu «Create new project» must be selected in the main menu.



A new window opens, where the first settings can be made.

1. Enter project title / name
2. Select server type. This type can also be changed later.
3. Select whether the project should be created using the assistant (chapter 2.2). If this is not selected, an "empty" project will be created.

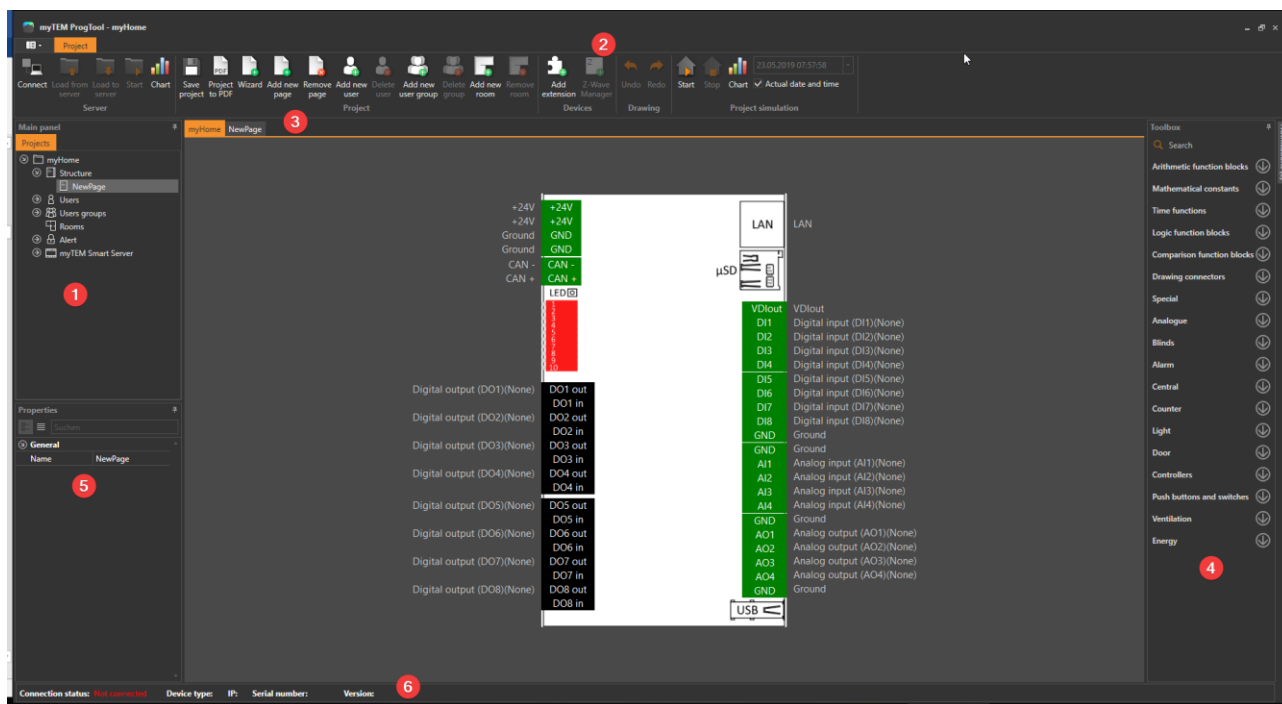


2.1 First steps

2.1.1 Program overview

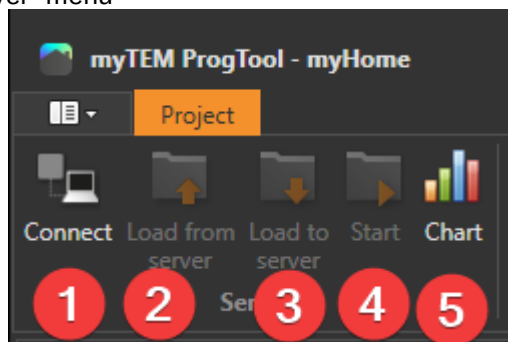
The tool is divided into the following main menus:

1. Project tree: For the management of the project, it means rooms, users, devices, drawing sheets etc.
2. Menu bar
3. Drawing pages
4. Function library with function blocks
5. Properties window: This is changing depending on the selected element in the drawing
6. Status bar: Displays the connection status to the myTEM Radio Server or myTEM Smart Server



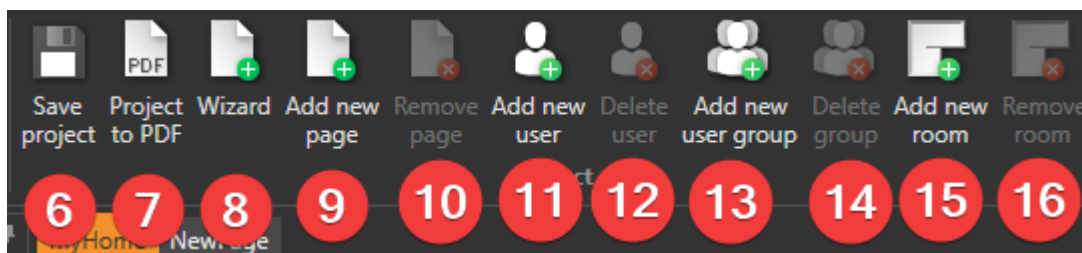
2.1.2 Menu bar

Server- menu



1. Connect to Server
2. Load project from Server (Server → PC)
3. Load project to Server (PC → Server)
4. Start real-time view
5. Open record of current data

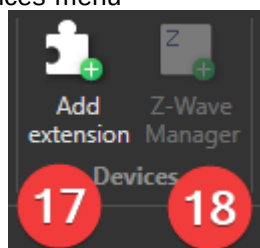
Project-Menu



6. Save project
7. Create a PDF export from the project
8. Start project assistant

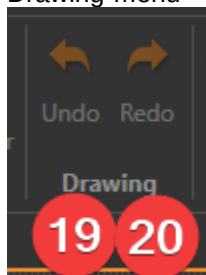
9. Add new drawing page
10. Remove selected drawing page
11. Create new user
12. Delete selected user
13. Create new user group
14. Delete selected user group
15. Create new room
16. Remove selected room

Devices-menu



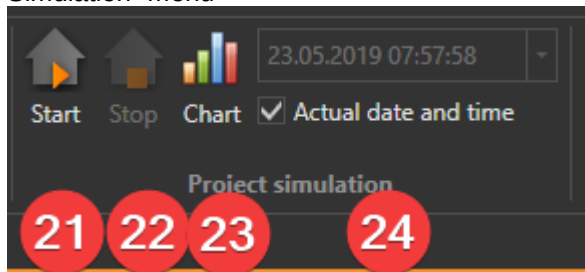
17. Add extension modules, gateways
18. Start Z-Wave manager (only available with a Radio Server or Radio Base)

Drawing-menu



19. Undo a drawing step
20. Redo a drawing step

Simulation- menu

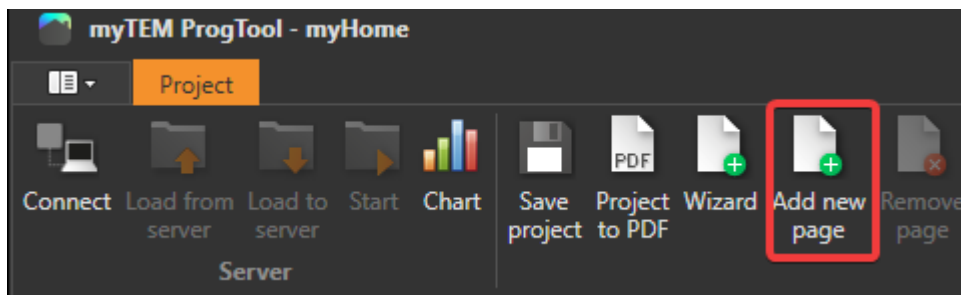


21. Start simulation
22. Stop simulation
23. Open diagram of simulation
24. Set simulation time and date

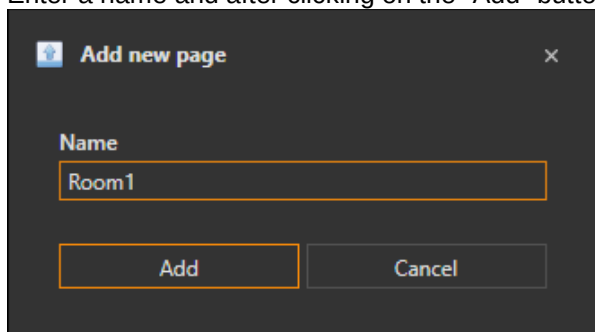
2.1.3 Create a new drawing page

Any number of drawing sheets can be created. It is recommended to create one drawing sheet per room.

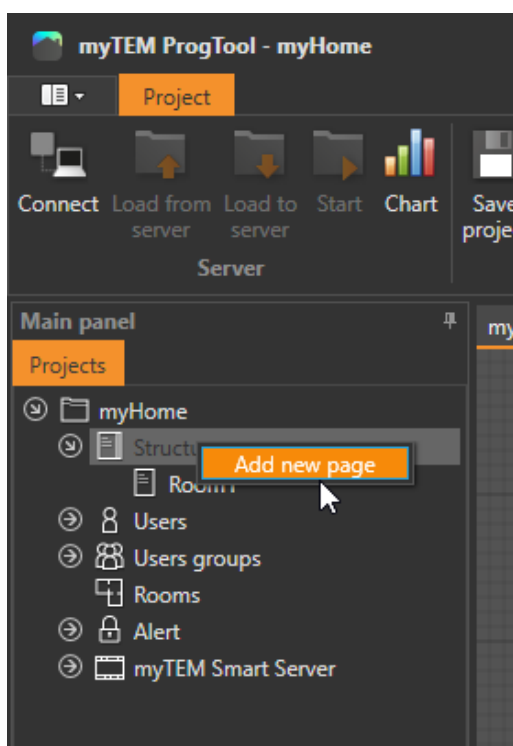
Via the menu "Add new page" a new drawing sheet is created.



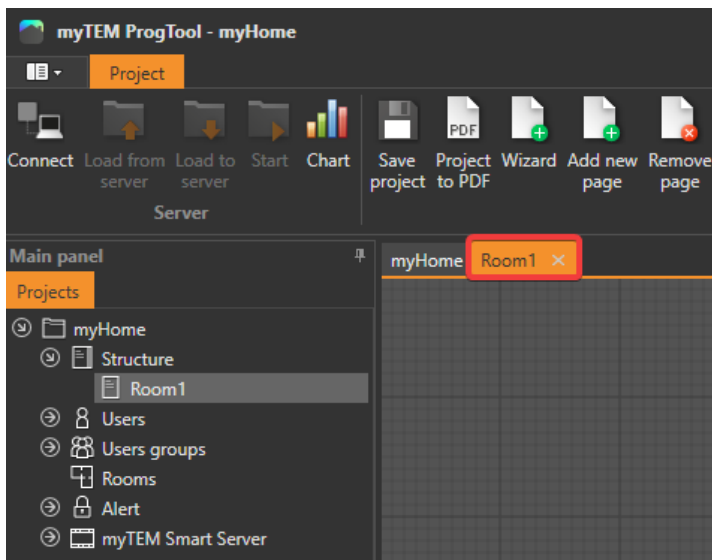
Enter a name and after clicking on the "Add" button a new sheet will be created.



Alternatively, right-click on «Structure» in the project tree.

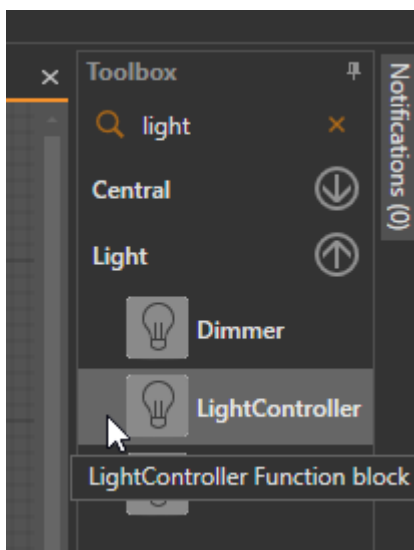


After adding, a new tab is created and the drawing sheet is created.

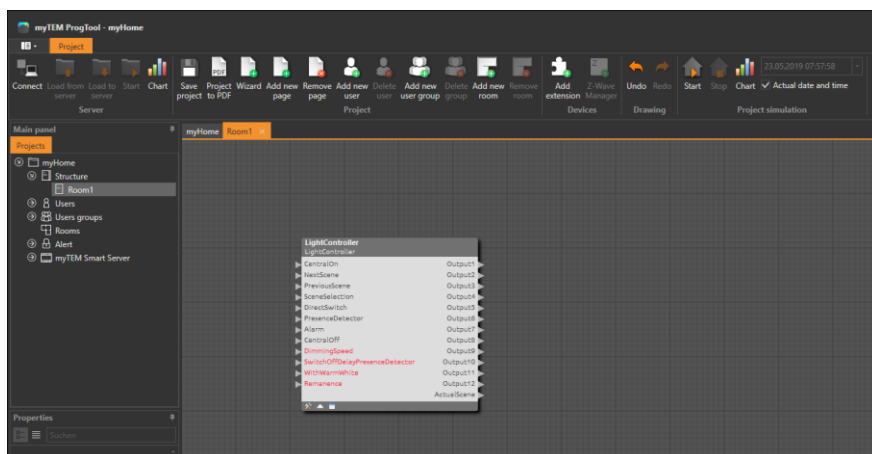


2.1.4 Add function block

To add a function to the drawing page, look for the desired function on the right-hand side by expanding the categories or using the search function.

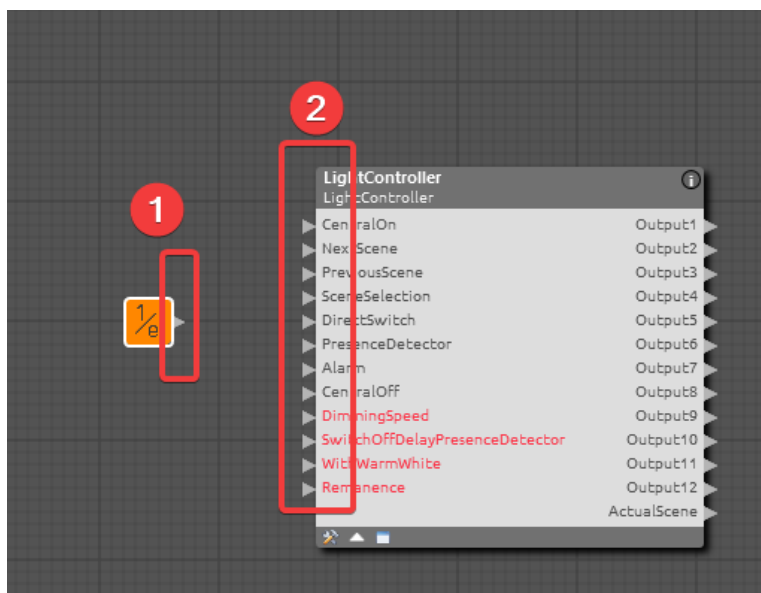


By dragging or clicking the desired function can be inserted into the drawing sheet. The new block can be placed arbitrarily in one place.

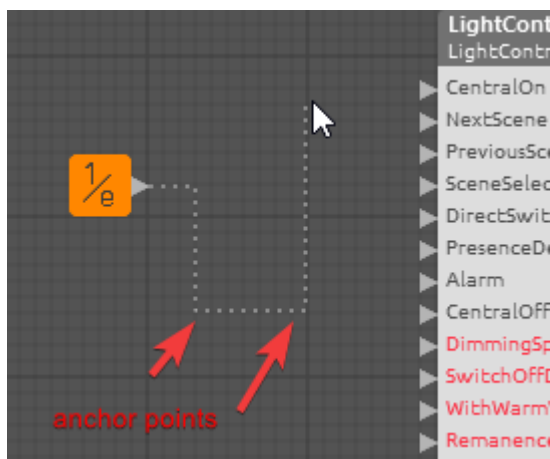


2.1.5 Blöcke verbinden

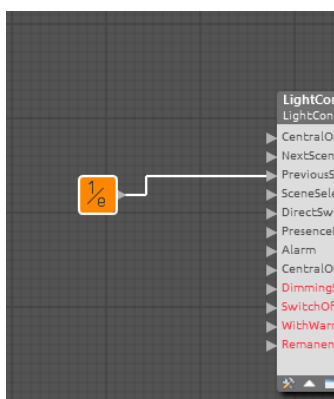
The blocks are connected to each other via the respective inputs and outputs. On the right side of the block are the outputs and on the left side the inputs. Only a output can be connected to a input. However, multiple inputs can be connected from one output.



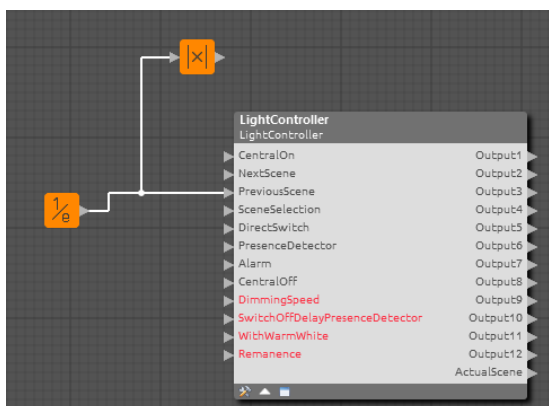
If you move the mouse pointer over an input or output, the mouse pointer changes to a pen. This means that a connection can be drawn. Click once to start the drawing process. A dashed line now displays the connection process. If you click again, an anchor point can be set to determine the connection direction. The process is completed when an input is clicked. As a result, the dashed line becomes a solid and the connection is drawn.



Completed connection



The individual line segments can be moved with a holding mouse click. If you move the mouse pointer on the line, the pen appears again, with which you can start a new connection. So branches can be created and connected to other function blocks.



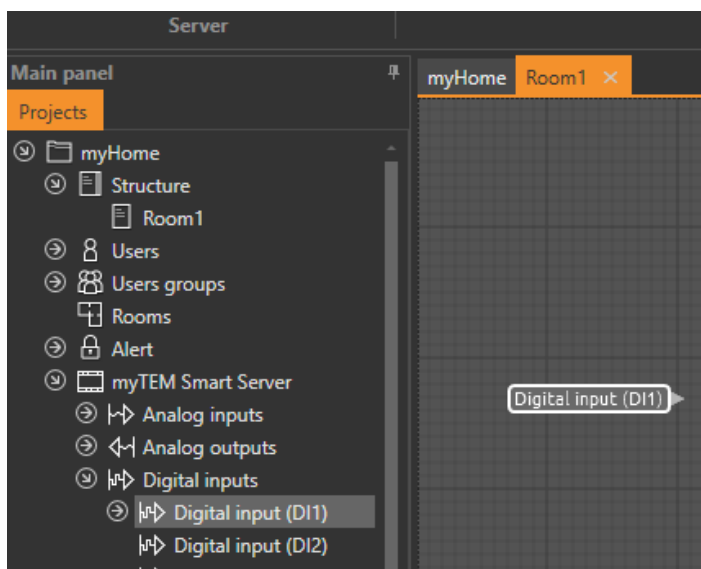
2.1.6 Delete a connection

By selecting a connection segment, it can be deleted with the «Delete» key. Alternatively, right-click on the corresponding line and select "Remove".

2.1.7 Connect device inputs / outputs

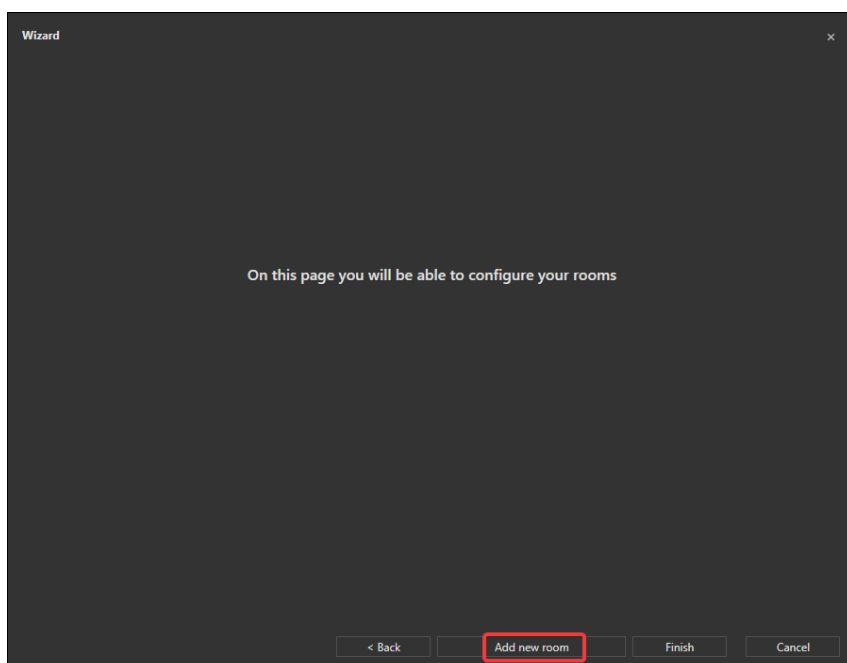
The adding and management of devices as well as the settings of input / output are described in chapter 3.

To add a device input / output into the drawing, select the element and drag it to the drawing page with a holding mouse button. At the desired position, release the mouse button. Now the input / output is displayed like a drawing block and can be connected and used at the same time



2.2 Create a project with the Assistant

First, the rooms have to be defined. Click on «Add new room» to create.



2.2.1 Add new room

1. Choose category for the room: The symbol is used for other things for example for the visualisation in the mobile app. This can be changed later.
2. Name for the room: This can be changed later
3. By clicking on "Add", the room is created in the project.

Symbol and name can be chosen freely

After adding, all created rooms are displayed as a list. Any number of additional rooms can be added

1. First column = name. By clicking in this the respective field the name can be changed.
2. Second column = category. Clicking activates a selection menu where you can change the category
3. Third column = status of the configured functions. Click on the symbol to start the function assistant.
More detailed description from chapter 2.2.2

Name	Category	Functions
Bedroom	Bedroom	[Blind Icon] [Light Icon] [Fan Icon]
Kitchen	Kitchen	[Blind Icon] [Light Icon] [Fan Icon]

myTEM Smart Server

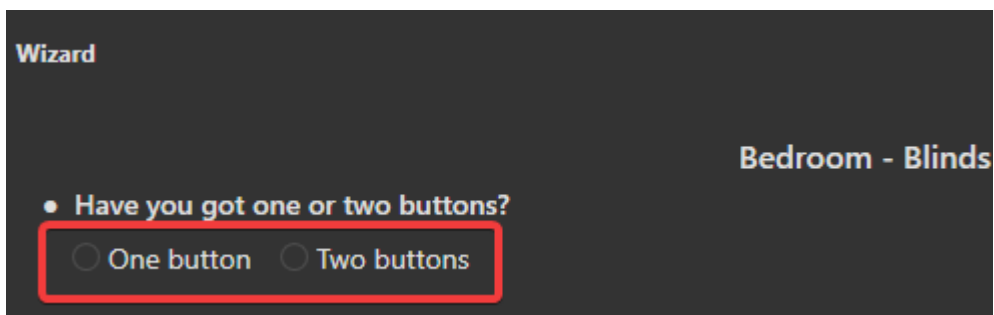
2.2.2 Jalousie-Funktion erstellen

To create a blind function, click on the blind symbol in the corresponding room.



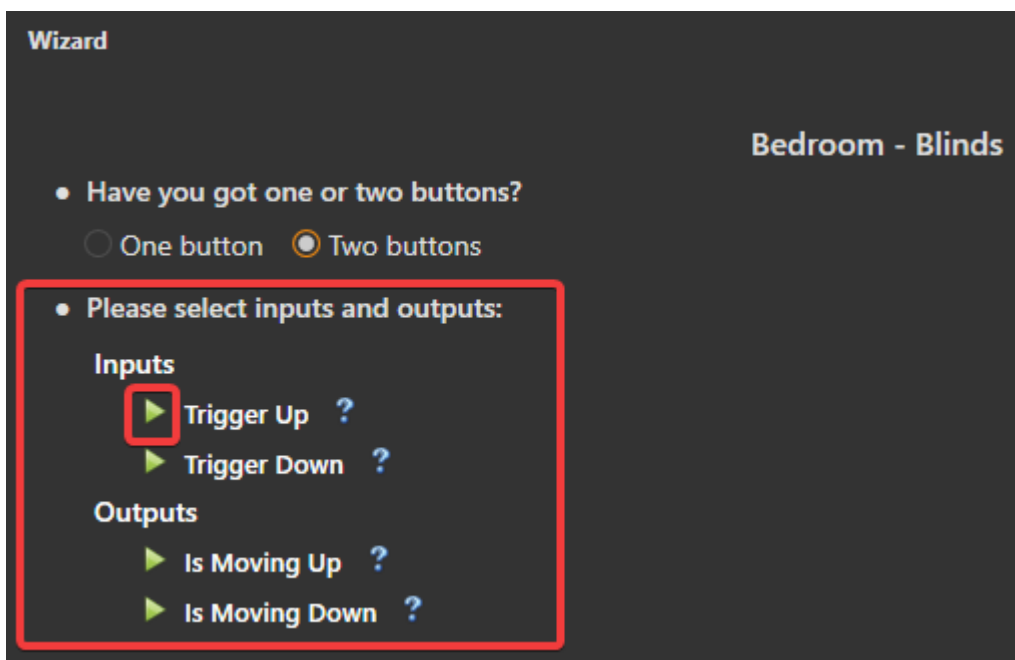
Nach dem Klicken werden die Einstellungen für das Jalousie-Modul vorgenommen. Als Erstes wird ausgewählt, ob die Jalousie mit einem oder zwei Tasten betrieben wird.

After clicking, the settings for the blind module are made. First, it is to select whether the blind is operated with one or two buttons



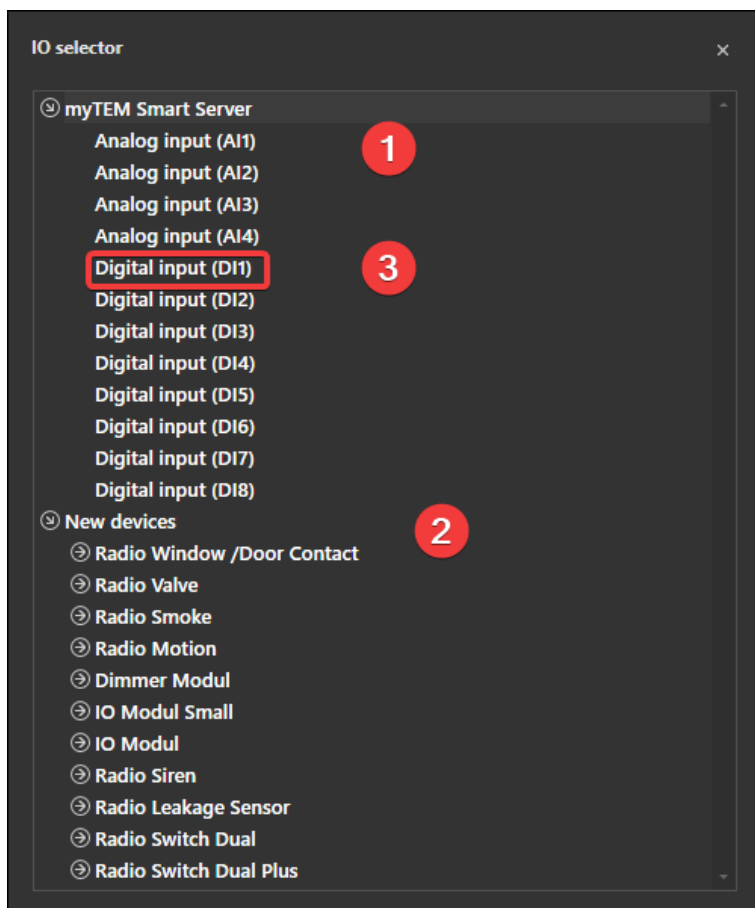
The selection displays an input and output assignment. Click on the green arrow to select an input or output for the corresponding function

1. Trigger up: Raise the button for the blind
2. Trigger down: Shut down the button for the blind
3. Is moving up: Relay for the motor for raising
4. Is moving down: Relay for motor shut down

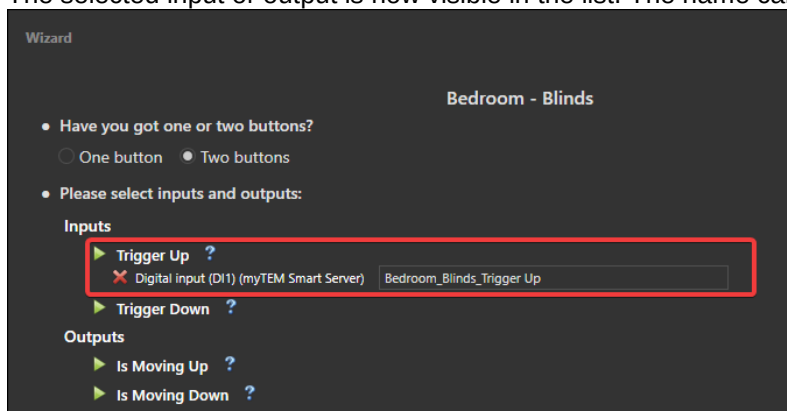


After clicking on the green arrow, a device lock is opened.

1. Devices available in the project with the them inputs or outputs that can be used for the currently selected functions. The view may differ if a Radio Server has been selected.
2. New devices that can be added to the project.
3. By double-clicking on the input or output, it can be selected.



The selected input or output is now visible in the list. The name can still be changed.



Unten links wird der Status der Einstellungen angezeigt. Wenn dieser orange ist sind noch nicht alle benötigten Ein- oder Ausgänge zugewiesen. Wenn alles richtig konfiguriert ist, wechselt der Status auf grün. Nach Klick auf «OK» schliesst sich der Funktionsassistent.

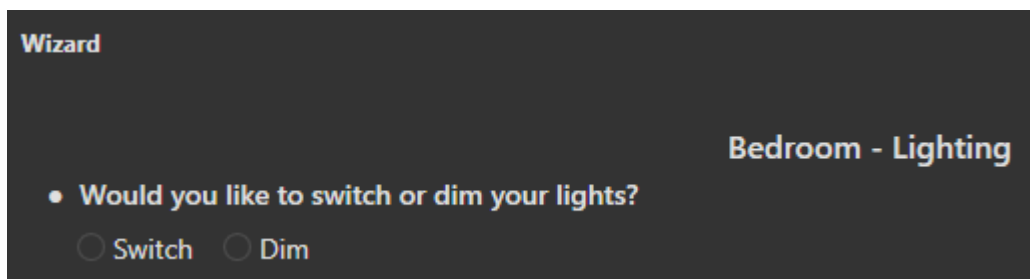
The bottom left shows the status of the settings. If it is orange, not all required inputs or outputs are assigned. If everything is configured correctly, the status changes to green. After clicking on «OK», the function assistant closes.

2.2.3 Create a light function

To create a light function, click on the light symbol in the room.

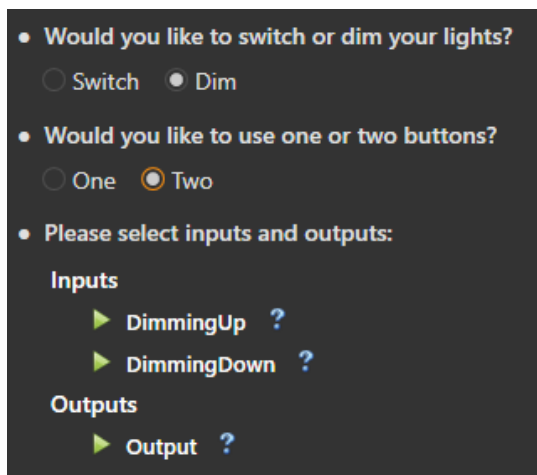


After clicking, the settings for the light module are made. First, select whether the light is dimmable or switchable.



The selection displays various menus that define the behavior and settings.

The assignment of the inputs and outputs is the same as described in chapter 2.2.2.

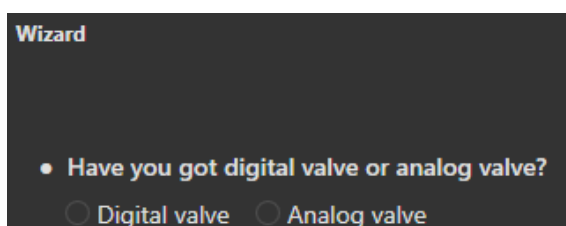


2.2.4 Create a heating function

To create a heating function, click on the radiator symbol in the room.



After clicking, the settings for the heating module are made. First, select whether an analog valve (0-100%) or a digital valve (open / closed) is present.



The selection displays various menus that define the behavior and settings.

The assignment of the inputs and outputs is the same as described in chapter 2.2.2.

Wizard

Bedroom - Heating

- Have you got digital valve or analog valve?
 - ☐ Digital valve
 - ☒ Analog valve
- Have you got a window contact?
 - ☒ Yes
 - ☐ No
- Please select inputs and outputs:
 - Inputs
 - ▶ IsRoomTemperature ?
 - ▶ WindowsIsOpen ?
 - Outputs
 - ▶ AnalogValve ?

Time program settings

TimeProgram1 ▾

☒ Mo
 ☒ Tu
 ☒ We
 ☒ Th
 ☒ Fr
 ☒ Sa
 ☒ Su

Time	Heating
06:00	21
22:00	18

configuration is not finished

OK

In the lower part, a heating program can be set.

Time program settings

TimeProgram1 ▾

☒ Mo
 ☒ Tu
 ☒ We
 ☒ Th
 ☒ Fr
 ☒ Sa
 ☒ Su

Time	Heating
06:00	21
22:00	18

- Active days for the time program
- Time of the switch point
- Desired temperature for the switch point

Up to 7 heating programs can be created (max one per day).

2.2.5 Status of created functions

The third column shows the status of the function in the room

Green: Correct and configured

Yellow: Not finish configured

Gray: Not used

Wizard

Rooms			
	Name	Category	Functions
	Bedroom	Bedroom	  
	Kitchen	Kitchen	  
	Dining	Dining room	  

2.2.6 Finish assistant

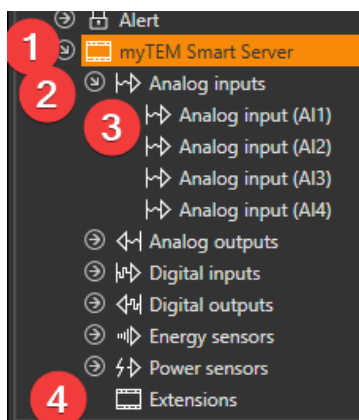
Clicking on the "Finish" button closes the wizard and all settings are applied in the project.

3 Device- Management

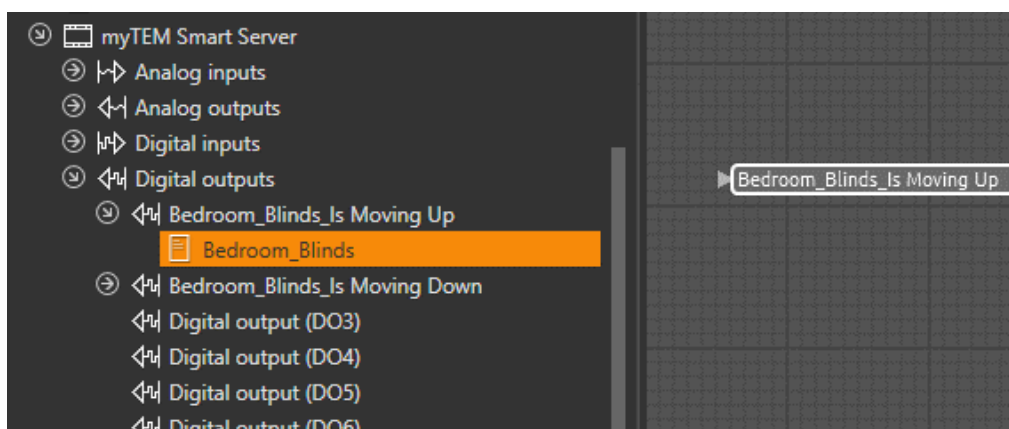
3.1 Devices in project tree

All devices used in the project are added in the project tree.

1. First and on top is always a myTEM Smart Server or myTEM Radio Smart Server.
2. Group of an input or output category: All inputs and outputs are grouped together, such as "Analog inputs".
3. Available inputs and outputs per group
4. Extensions connected to the server



If an input or output is added to a drawing page, it is displayed in the device tree. So it can be determined on which sheets this is used. The inputs and outputs you can rename.

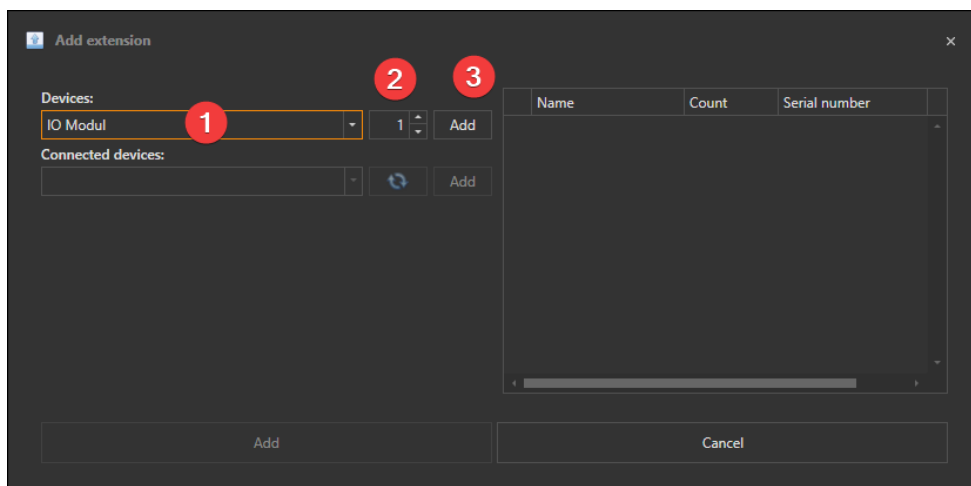


In the drawing page, a double-click on the input / output can be made and then it is selected directly in the device tree. If you click on the room in the device tree, the drawing page opens directly.

3.2 Extensions

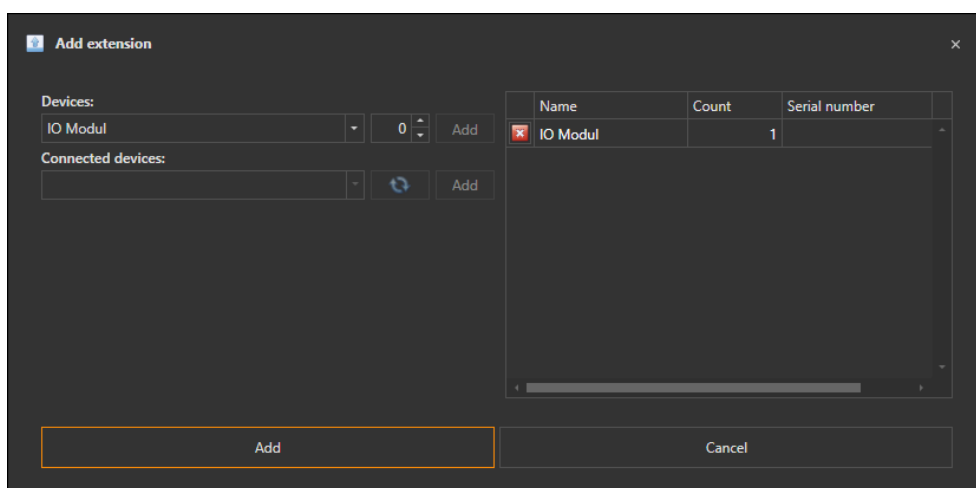
3.2.1 Add to Server, not connected

All extensions can be added without running system. To add a new device simply click on the "Add extension" menu. A new window is opening up



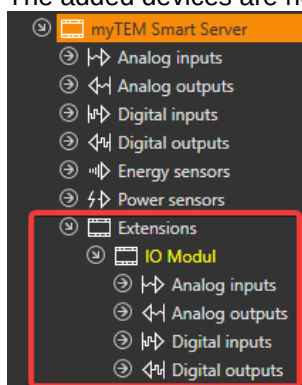
1. Select extension
2. Choose a number
3. Click Add

After clicking "Add", the devices are displayed in the list on the right. Now more devices can be added.



To complete the process and add all devices to the project, click on the lower button «Add».

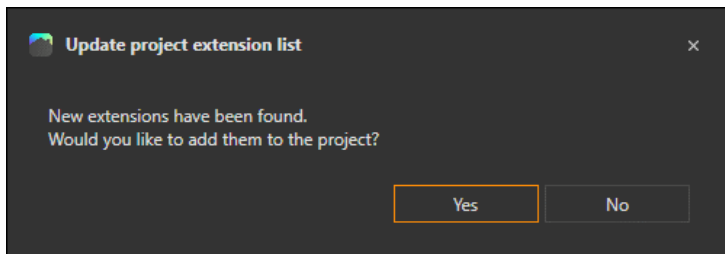
The added devices are now marked in yellow in the project tree.



3.2.2 Assign / replace device

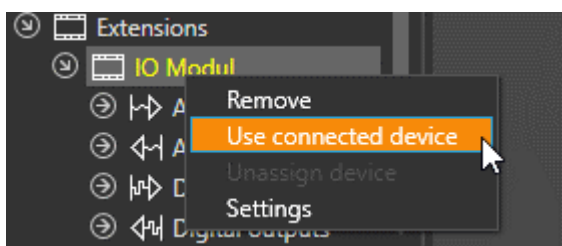
A yellow marked device means that it has not yet been assigned to a physical device. To change this, the PC must be connected to the server. Detailed description in chapter 0.

If connecting this window

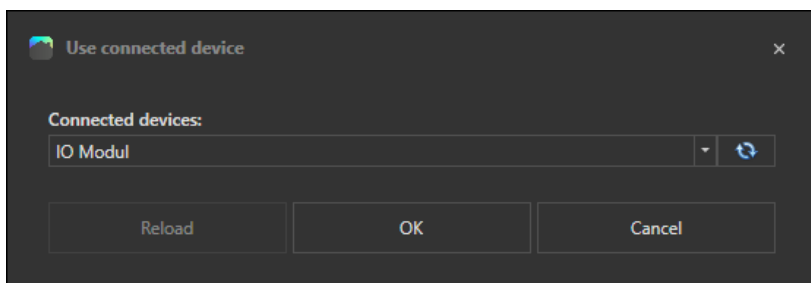


appears, then select «No».

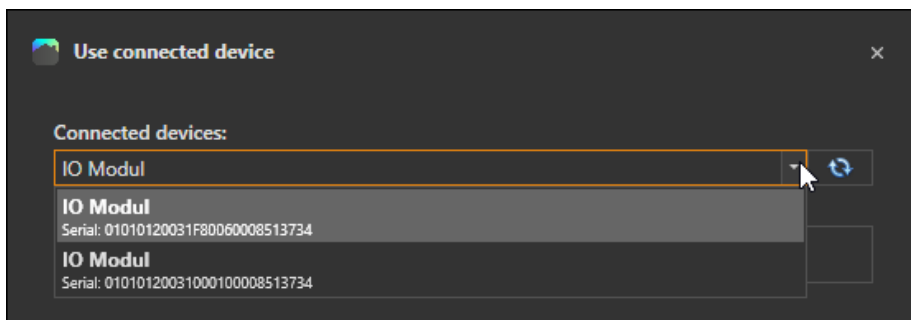
Right-click with the mouse on the device and select Use connected device.



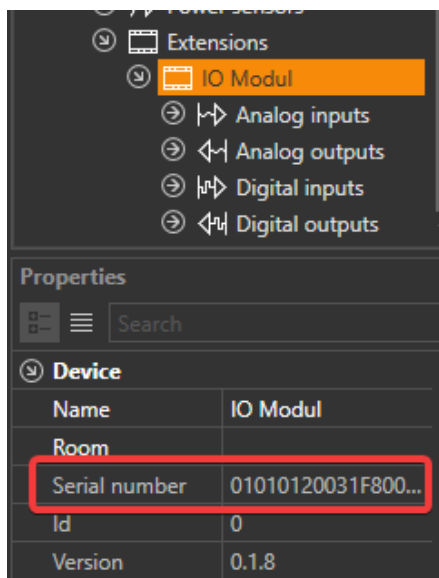
A new window opens with all compatible devices in the list. If no device appears, it may be because it has no new devices in the system or the devices are not compatible with the selected device.



Clicking on the selection menu displays the list of devices with serial number.



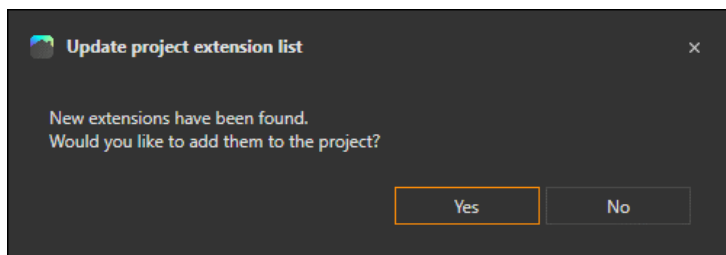
After clicking the «OK» button, this device is taken into the project tree. The properties menu now shows the serial number and removes the yellow mark.



If you want to replace an existing device, this can be done in the same way.

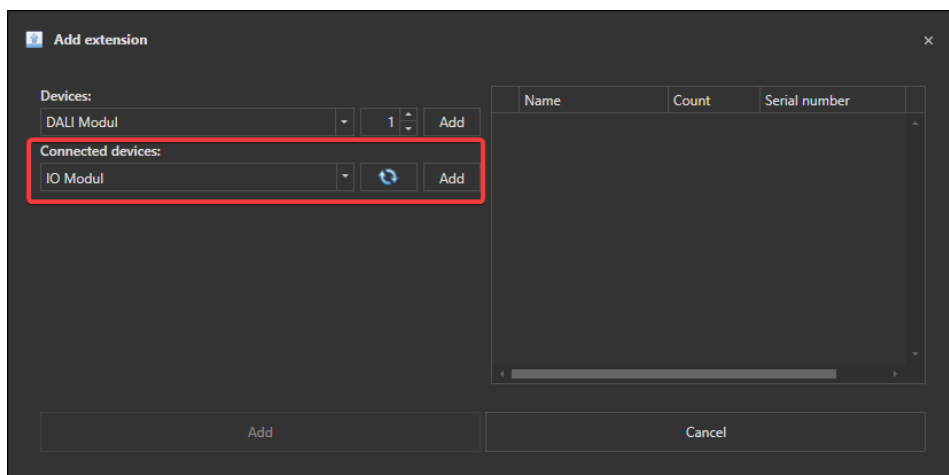
3.2.3 Add- Server connected

The devices can also be added directly after connecting to the server. If you connect to a server after creation (chapter 0.), if devices are already connected then the following window will appear after the connection:



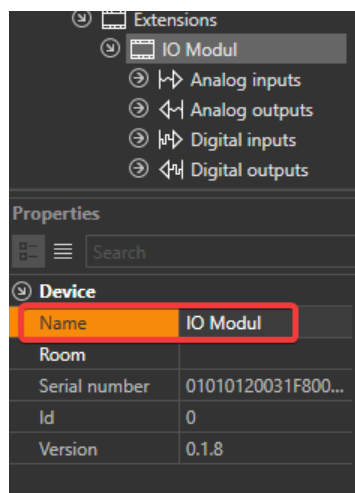
After clicking on "Yes", all extensions in the system are added to the project. This can also be done later via the menu "Add extension".

All devices that are available in the system are listed. After clicking on "Add", they are all added to the right list. Devices that should not be added can still be removed there. After clicking on the lower "Add" button, all devices in the right-hand list are added to the project.



3.2.4 Rename extension

Select the device in the project tree. In the properties window a new name can be set.

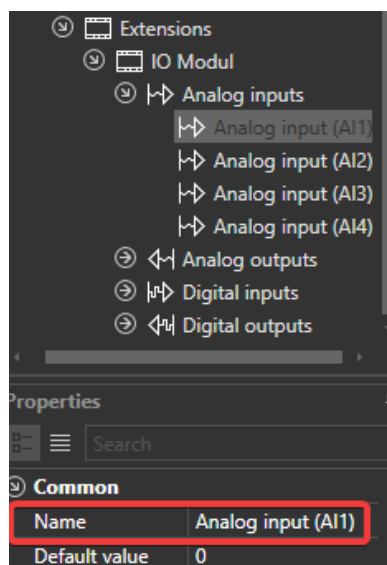


3.3 Input and output settings

Depending on the type, inputs and outputs may have different settings.

3.3.1 Rename

Select an input / output in the project tree. In the properties window a new name can be set.



3.3.2 Analog inputs

An analogue input can also be configured as a sensor input or digital input, depending on the device.

Common	
Name	Analog input (AI1)
Default value	0
Device	
Device name	IO Modul
User interface	
View on myTE...	☐
Category	
Configuration	
Analog 0-10V	
Analog 0-10V	
Digital	
NTC 10k	
PT1000	
PTC	
NTC 5k	

Depending on this setting, there are different settings for corrections.

Für den 0-10V Modus können ein linearer Skalierer und ein Offset eingestellt werden. Der Skalierer ist nur aktiv wenn die Option «Korrektur aktiv» ausgewählt wird.

Common	
Name	Analog input (AI1)
Default value	0
Device	
Device name	IO Modul
User interface	
View on myTEM App	☐
Category	
Configuration	
Analog 0-10V	
Correction	
Offset	0
Correction enabled	☐
Lower Limit	0
Lower limit of correction value	0
Upper limit	10
Upper limit of corrected value	10

3.3.3 Analog outputs

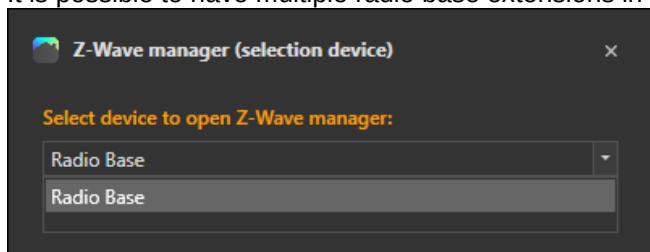
Analog outputs can be controlled in 0-100% or 0-10V. If 0-100% is selected, this is then converted to the physical unit 0-10V.

Device	
Device name	IO Modul
User interface	
View on myTEM App	☐
Category	
Configuration	
0-100%	
0-100%	
0-10V	

3.4 Z-Wave Devices/Extension

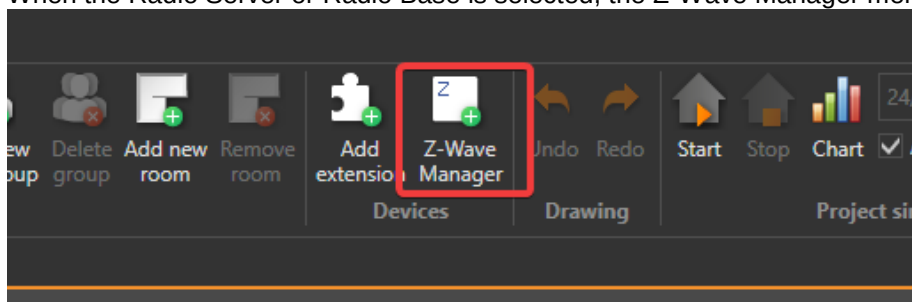
To use Z-Wave you need a Radio Server or a Smart Server with Radio Base extension. To actively integrate the devices in the system, you must be connected to the server (Chapter 0).

It is possible to have multiple radio base extensions in one system. If so, a window opens for selection.

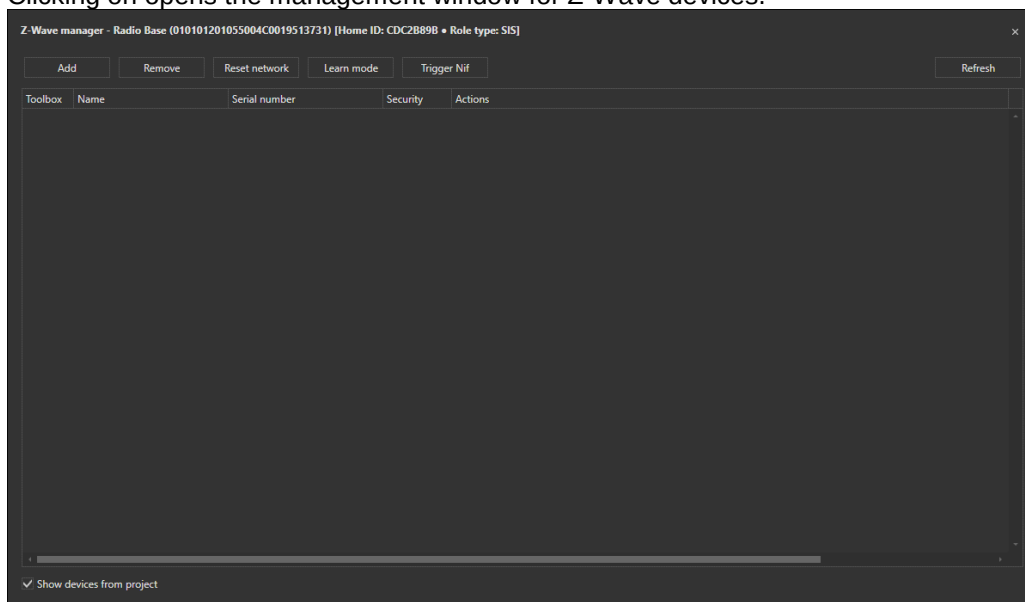


Z-Wave devices are bound to the selected device and stored on the device. This data is also present in the project after deletion!

When the Radio Server or Radio Base is selected, the Z-Wave Manager menu gets active.

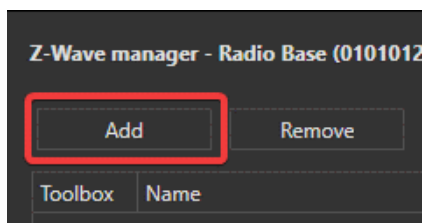


Clicking on opens the management window for Z-Wave devices.

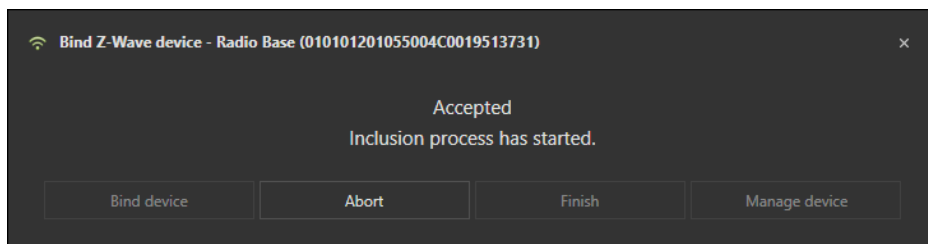


3.4.1 Add device

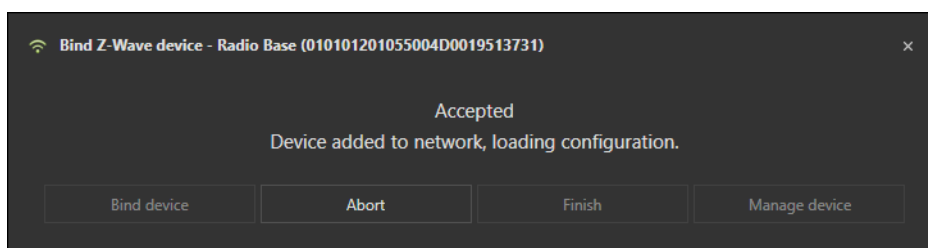
Click on button «Add».



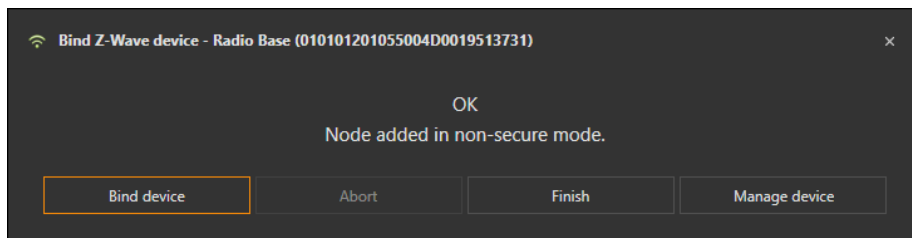
Now it will start add inclusion bind mode. After, this can also be done with the device. (Described in the manual of the Z-Wave device)



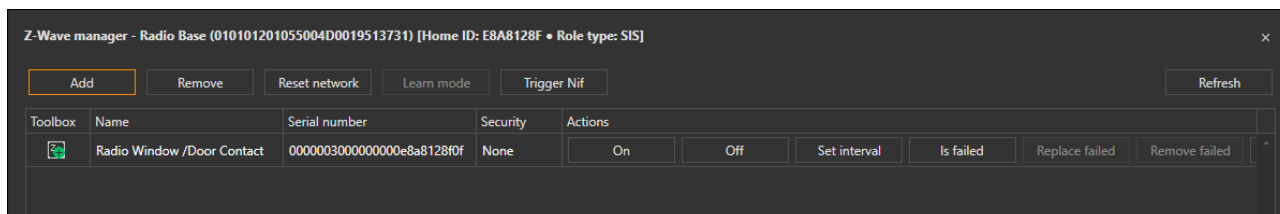
After a few seconds the device will be recognized and the configurations will be loaded. This can take a few minutes.



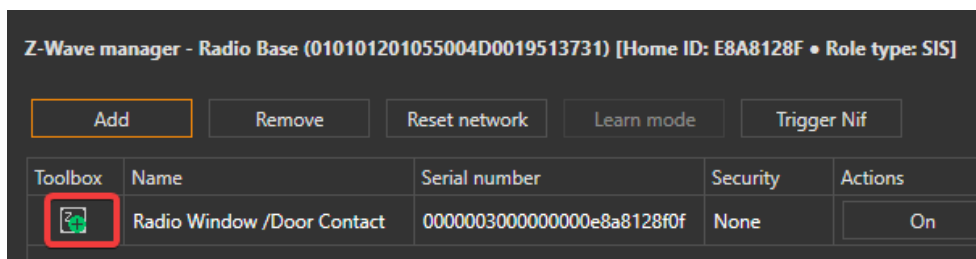
When this is done, the binding process can be started again or the window can be closed.



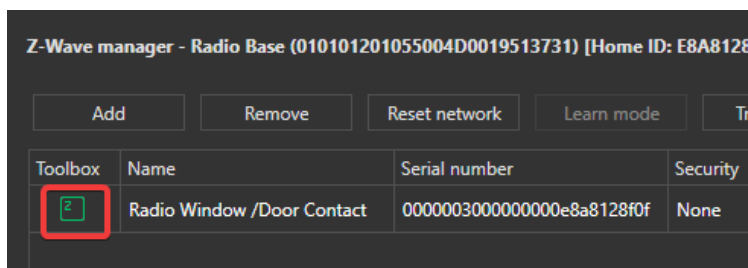
The management window displays the new device in the list.



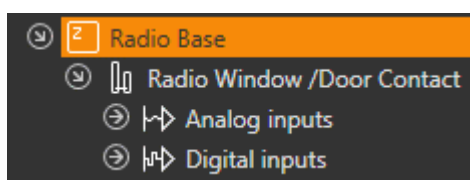
This is now connected to the radio device but not yet available in the project. To add the device to the project, click on the Add icon. This icon always indicates that the device is added to the radio device but not added to the project.



After clicking, the icon turns green and the device is present in the project tree. Now the management window can be closed and the inputs and outputs in the drawing pages can be used.

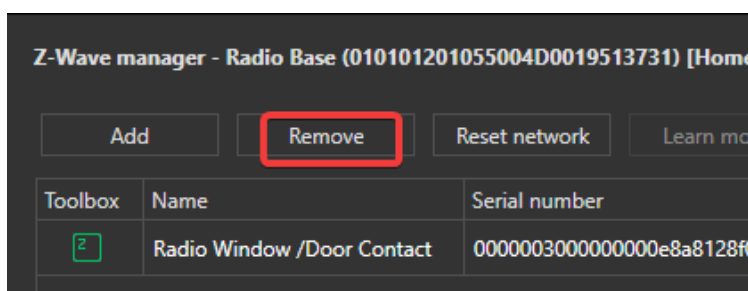


In the project tree, the devices are always placed below the radio device in order to identify to which device the Z-Wave device was added.

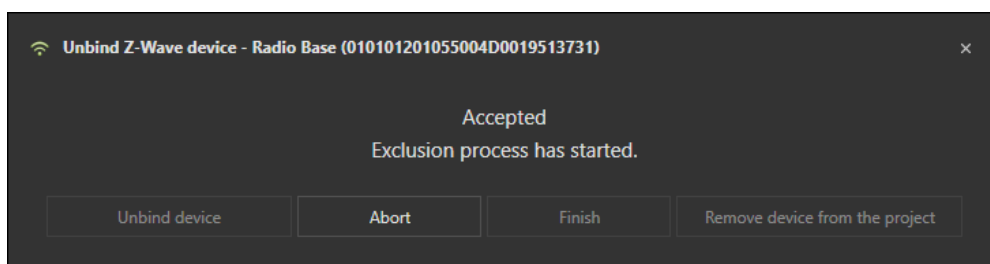


3.4.2 Remove device

Click on «Remove» in the management window:

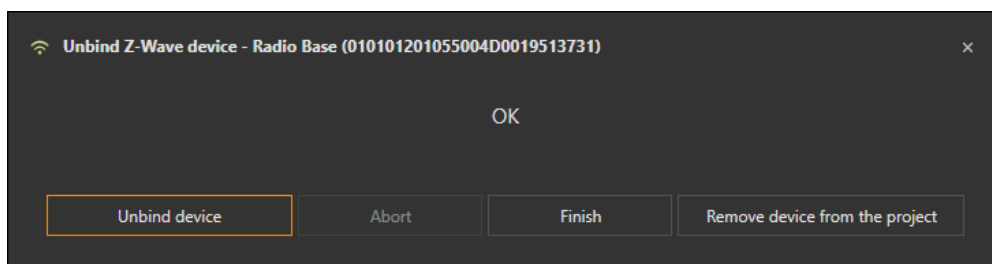


Remove mode has been started. This window appears:



On the device to be removed, perform the remove mode (see manual of the Z-Wave device).

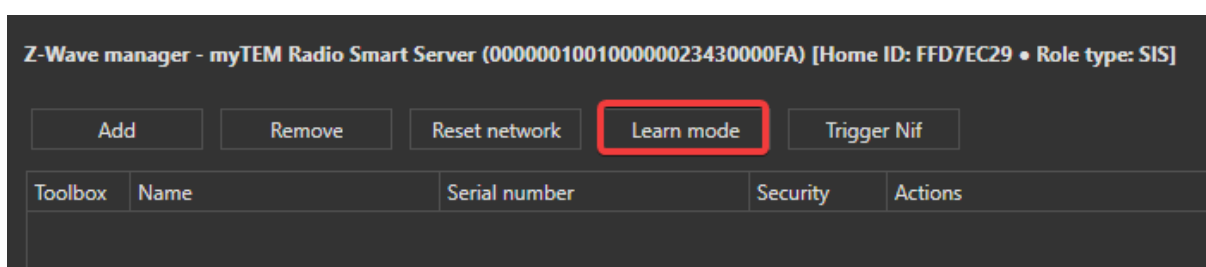
If the remove mode was successfully performed, «OK» appears. Now the window can be closed or other devices can be removed.



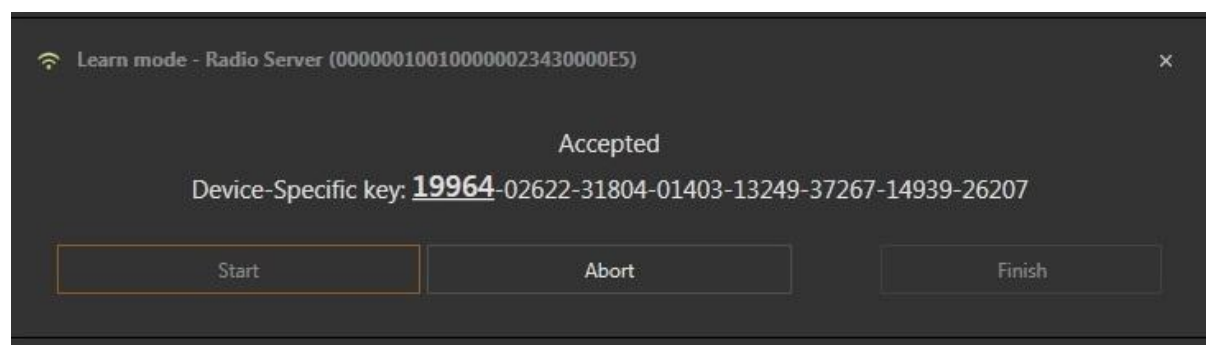
The removing of devices also works if they are not in the list of devices or if you are not sure if the device has already been removed.

3.4.3 Set Learn Mode

Click on «Learn Mode» in the management window to set myTEM Radio Server or myTEM Smart Server to Learn Mode:

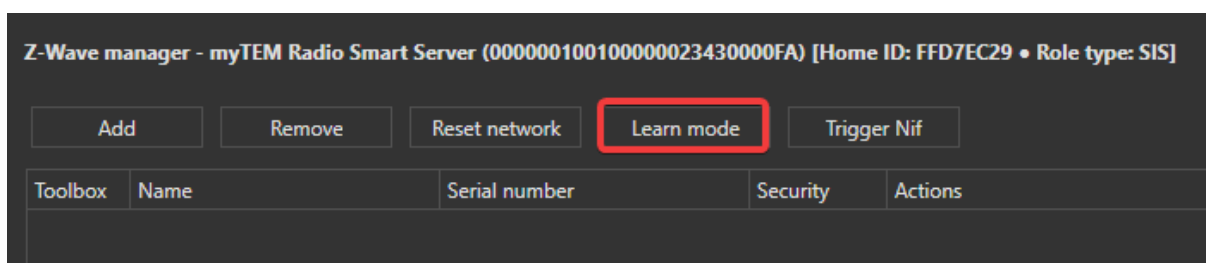


After Learn Mode has been started the DSK will be displayed.



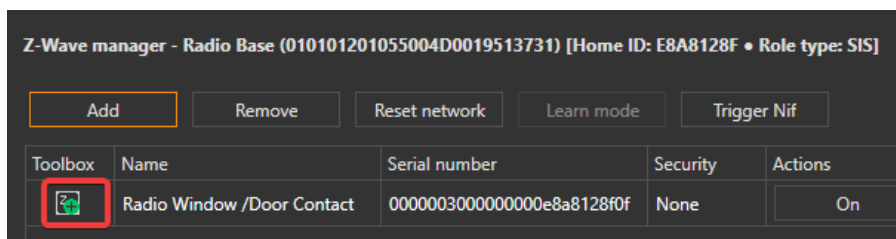
3.4.4 Include myTEM Radio Server or myTEM Smart Server to existing network

To add the myTEM Radio Server or myTEM Smart Server into an existing network set the Controller of the existing network into inclusion mode than click on «Learn Mode»:

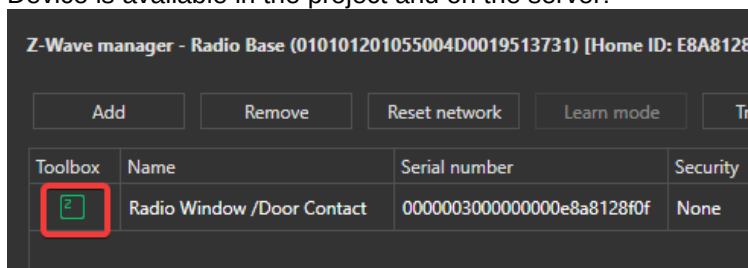


3.4.5 Status-overview

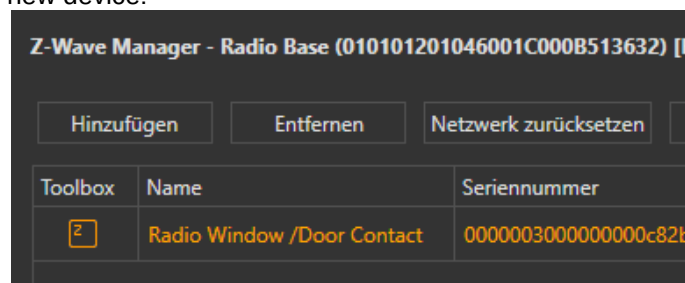
Device available, but not added to the project:



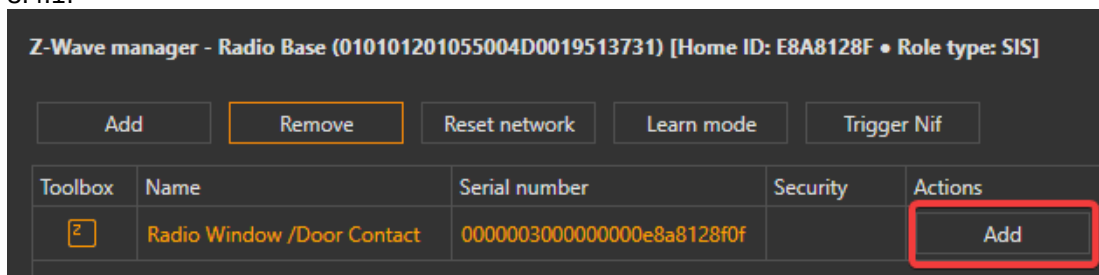
Device is available in the project and on the server:



Device is only available in the project but not on the server. To use this again, it must first be replaced with a new device:

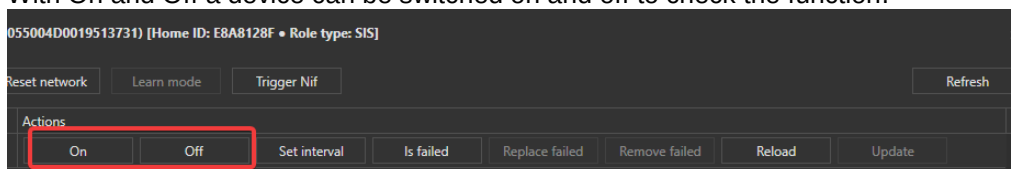


This can be done with the "Add" button, which is displayed in the list. The process is the same as in chapter 3.4.1.



3.4.6 Control devices via On / Off

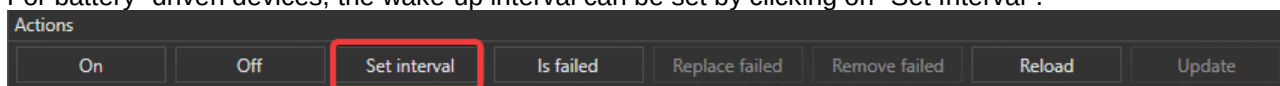
With On and Off a device can be switched on and off to check the function.



The available functions differ depending on the device and are described in the manual of the device.

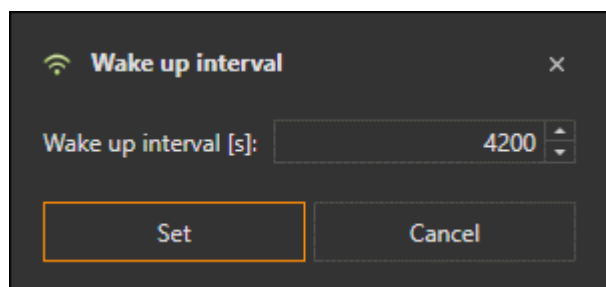
3.4.7 Set interval of the devices

For battery- driven devices, the wake-up interval can be set by clicking on "Set Interval".



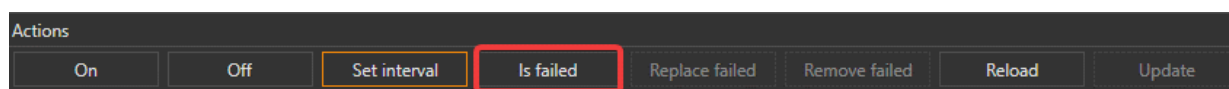
The available functions differ depending on the device and are described in the manual of the device.

The new wake-up interval is not set until the device wakes up. This may take several hours, depending on the previous setting.

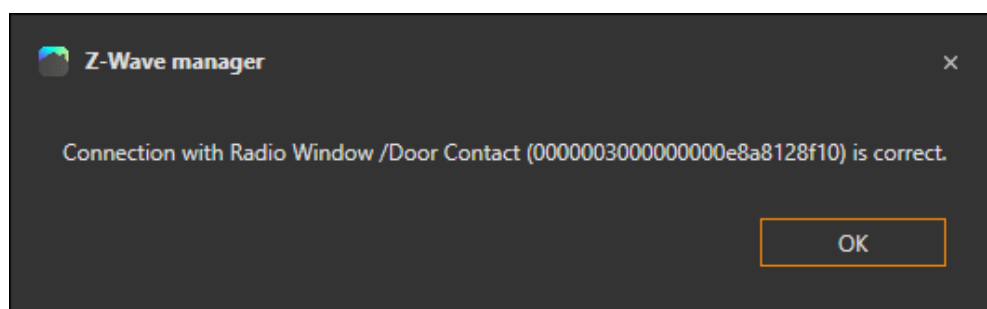


3.4.8 Check if a device is reachable

The accessibility of devices can be checked by clicking on "Is failed?".

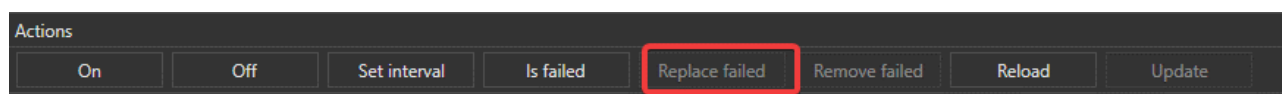


A message will be displayed indicating whether the device can be reached or not.



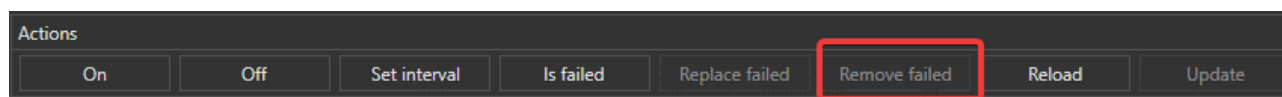
3.4.9 Replace device

"Replace" replaces unreachable devices. Accessible devices must be replaced by the general functions "Remove" and "Add" at the top of the Z-Wave administration. See the chapters 3.4.1 and 3.4.2



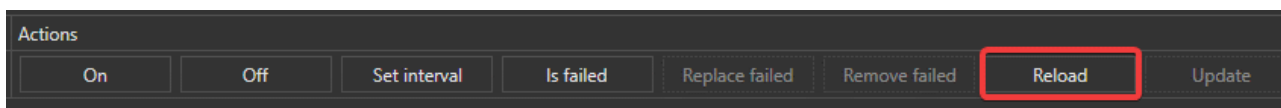
3.4.10 Remove device

With "Remove" unreachable devices can be removed. Accessible devices must be replaced by the general function "Remove" at the top of the Z-Wave administration. See the chapters 3.4.2



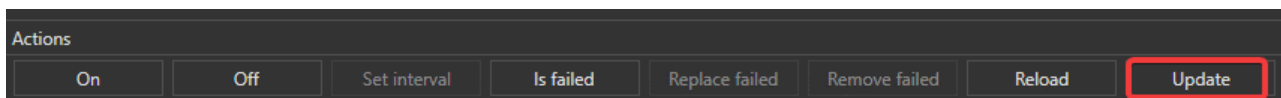
3.4.11 Reload device

By clicking on "Reload" the device configuration can be reloaded if something is not working properly.

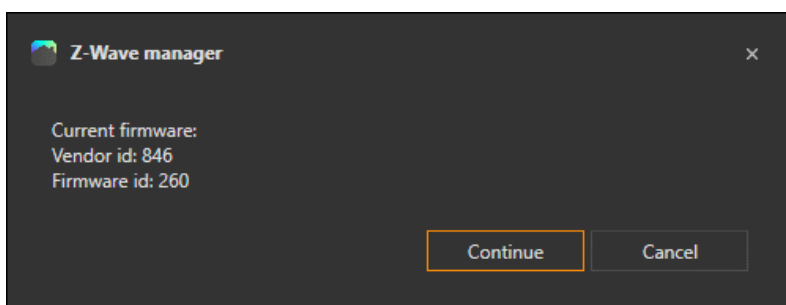


3.4.12 Update device

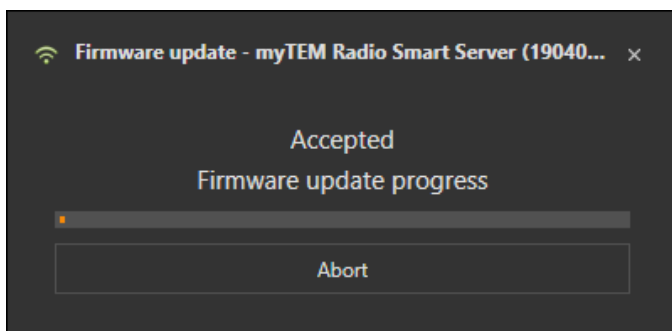
By clicking on "Update" you can update a Z-Wave device over the air to a new version.



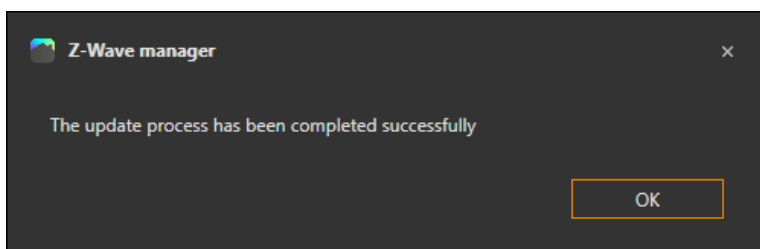
First the manufacturer ID, the firmware ID and the firmware version are displayed. After clicking on "Continue" you have to select the file for the device.



Afterwards the update will be started. The update process can take several minutes.

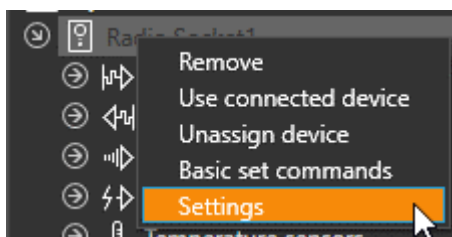


If the update was successful, a message will be displayed.

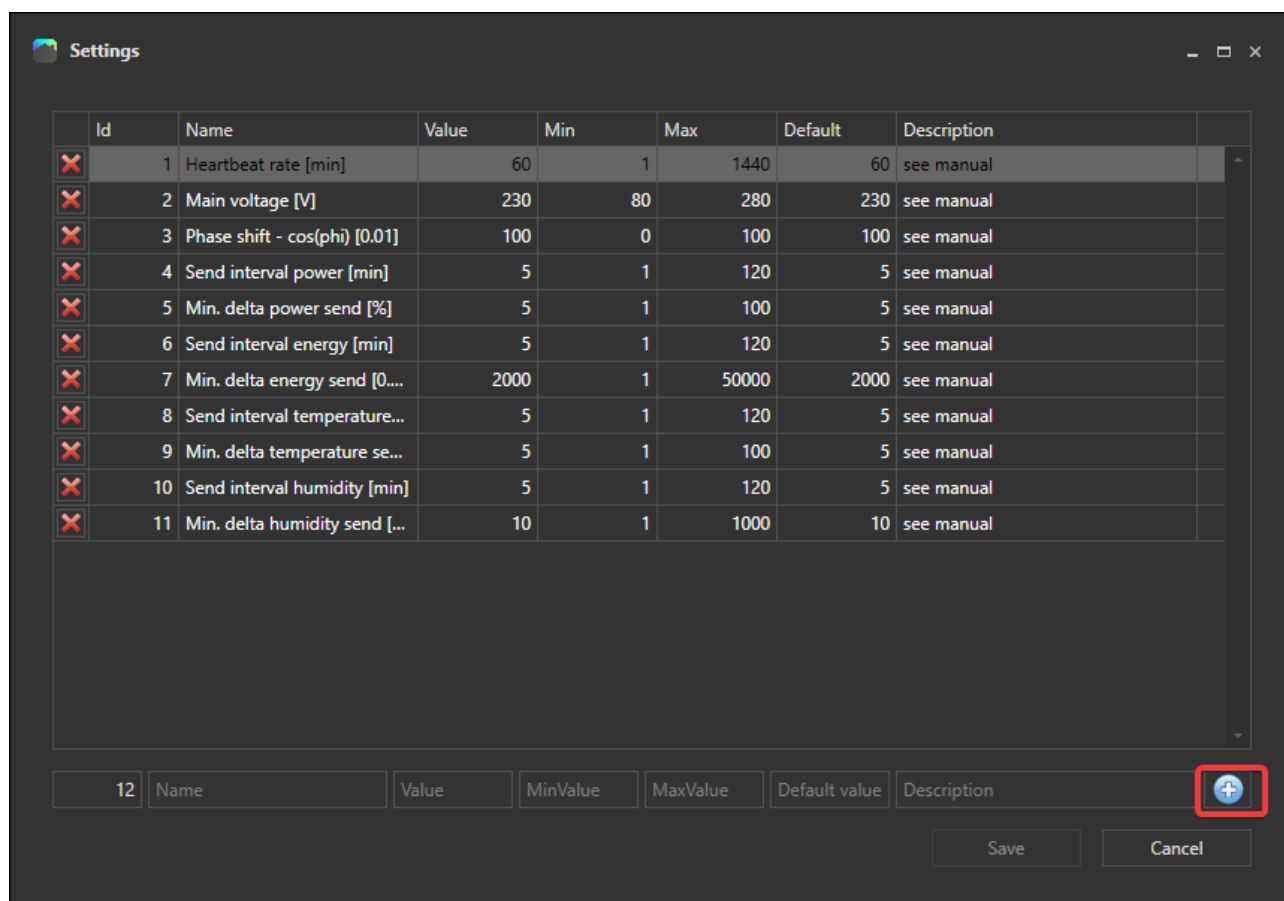


3.4.13 Device settings

By right-clicking on a Z-Wave device and selecting "Settings", the parameters can be adjusted.



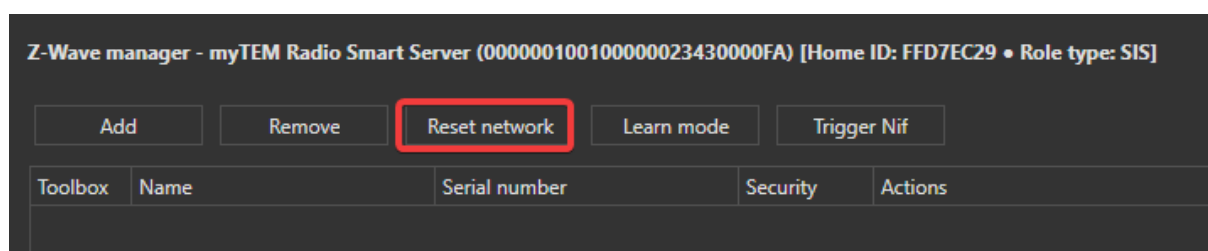
If the device supports the display of the parameters, these are displayed, otherwise they must be added by pressing the plus sign.



For all Z-Wave Always On (AO) slaves the configuration is send when application starts.

3.4.14 Reset Z-Wave to Factory Settings

To Reset Z-Wave part to the factory settings click "Reset network":



This will clear all network settings to factory settings and send a Device Reset Locally Notification.

If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all of the nodes in the

network. If this controller is being used as a secondary controller in the network, use this procedure to reset this controller only in the event that the network primary controller is missing or otherwise inoperable.

3.4.15 Include devices from multiple manufacturers in one network

MyTEM Smart Server or myTEM Radio Smart Server can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

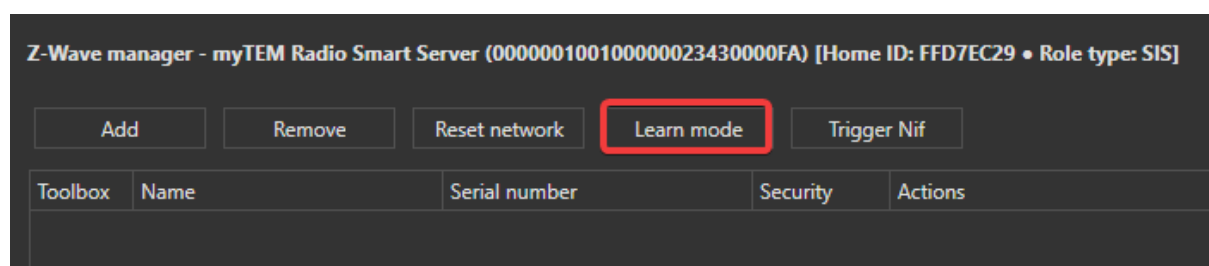
3.4.16 Initiate a Replication / Controller Copy

Copying (replication) is the process of updating network information from one controller to other controllers, such as node list and routing information.

1. Put the Radio Server into Add mode, as described in that section.
2. Put the secondary controller into Learn Modes. See instruction manual for that 3rd party controller.

3.4.17 Send a Node Information Frame

To send a Node Information Frame (NIF) click "Trigger Nif":



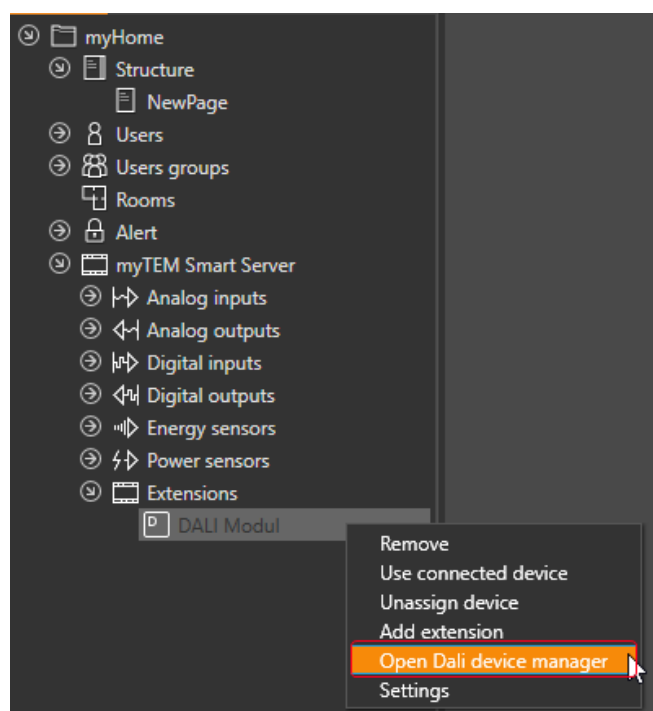
3.4.18 Behavior of Radio Server Receiving a Basic Command

The Radio Server ignores received Basic Commands.

3.5 Dali- Devices

To use Dali, you need the myTEM Dali modul. To actively integrate the devices in the system, you must be connected to the server (Chapter 0).

With a right-click on the DALI Modul extension the DALI device manager opens.

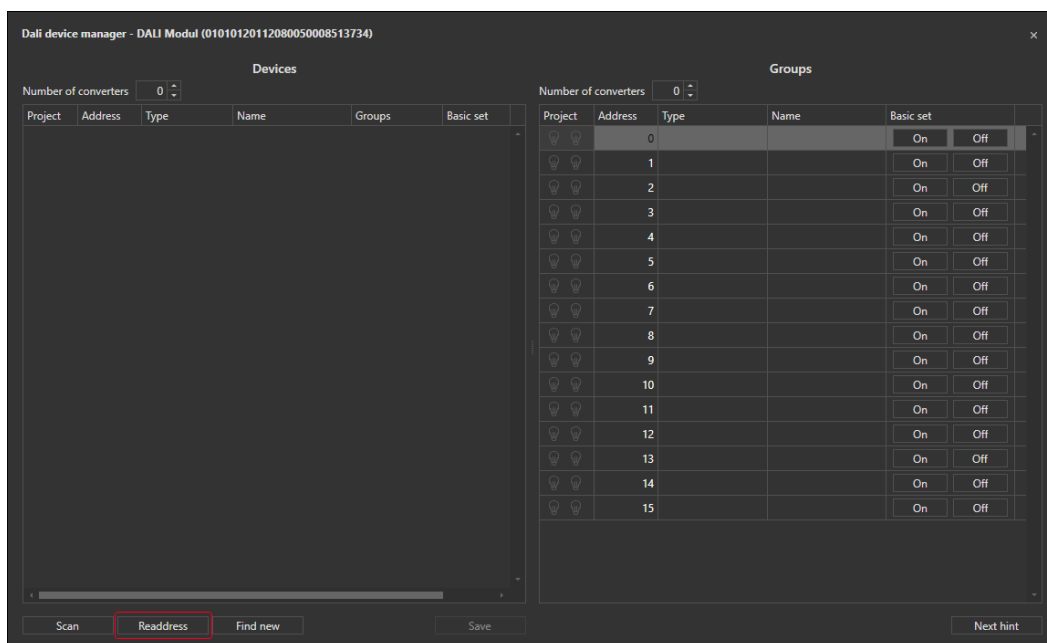


A new window appears.

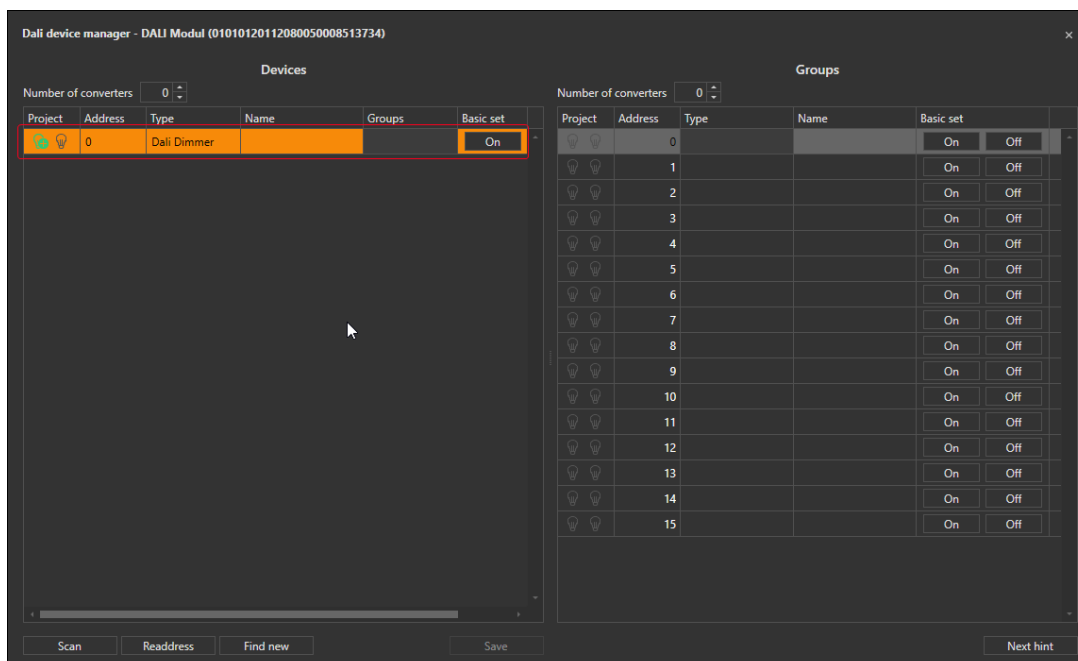
For the next steps all DALI Devices have to run and be connected correctly to the DALI bus.

3.6 Dali initialization

Initialize and set a new address to all devices with a click to the button “Readdress”. Every device is assigned to a new address or the old address is overwritten.



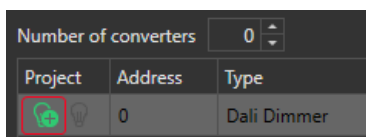
Readdressing can take a few minutes. When the process is finished, all DALI devices are listed on the left part.



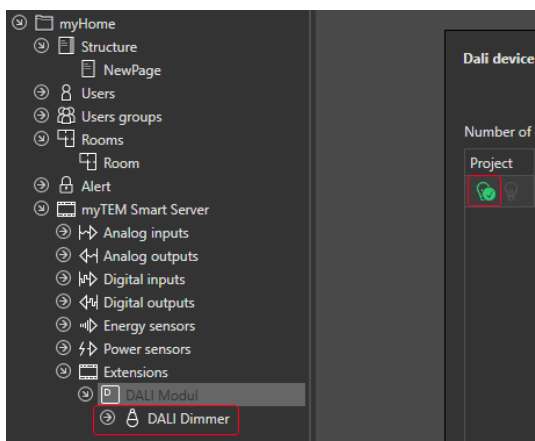
These devices are not included on the project yet. The addresses are saved on the DALI Devices itself.

3.6.1 Add device to project

Click on the green symbol to add the device to project.

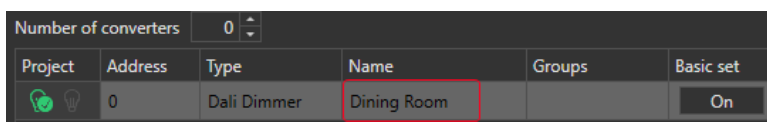


The green „Plus“ symbol changes to a „Hook“ after click and the devices is listed under the DALI extension.



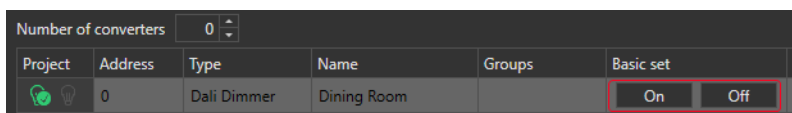
3.6.2 Change the device name

The device name can be changed later on the project three or directly on the list.



3.6.3 Test Device

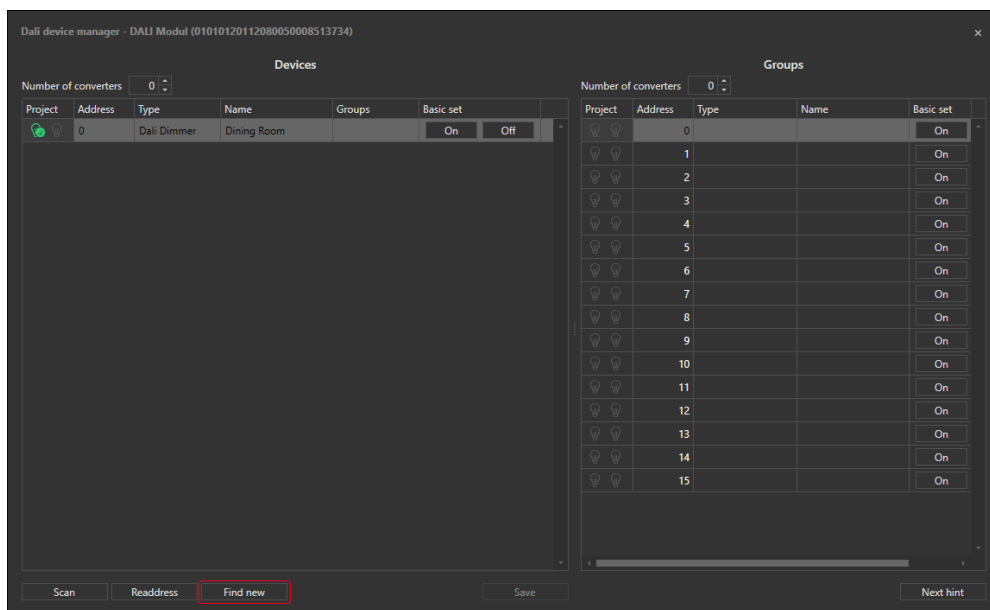
It is always possible (if the device is listed) to switch directly on and off a device with the „On“ and „Off“ buttons on the list.



3.7 Extensions by existing DALI Systems

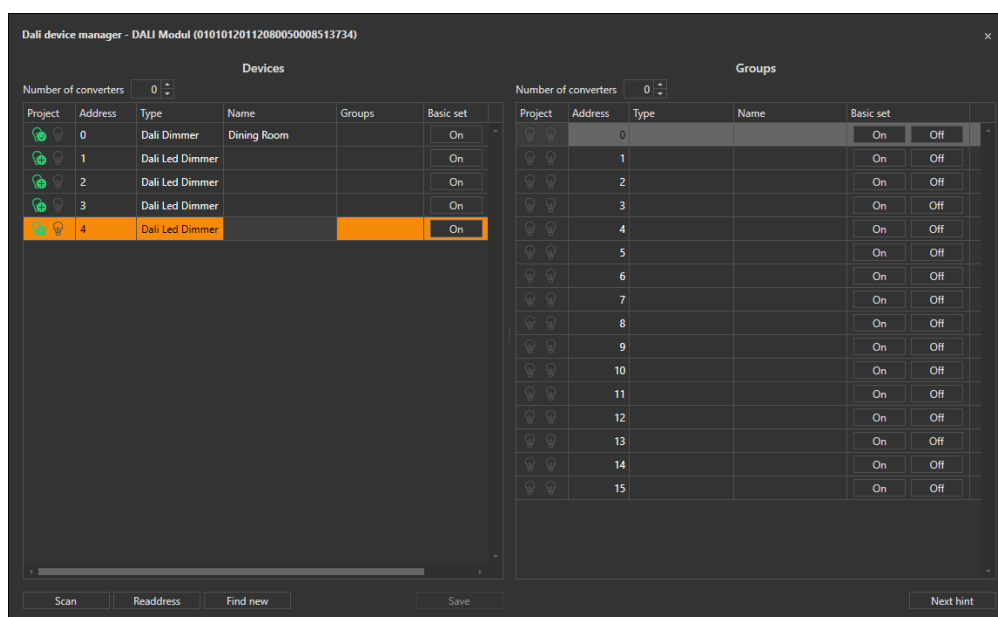
To extend an existing DALI System, if there are devices that have already addresses, new devices have to be included on the system. These devices may not already have addresses, because it can generate address conflicts and not all devices are detected correctly.

Click on the „Find new“ button to start the process.



The system searches for devices with no address and sets a new address to these devices. The new devices are listed on the left side.

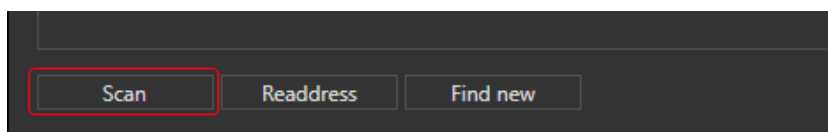
Now the new devices can be added to project (Chapter 3.6.1).



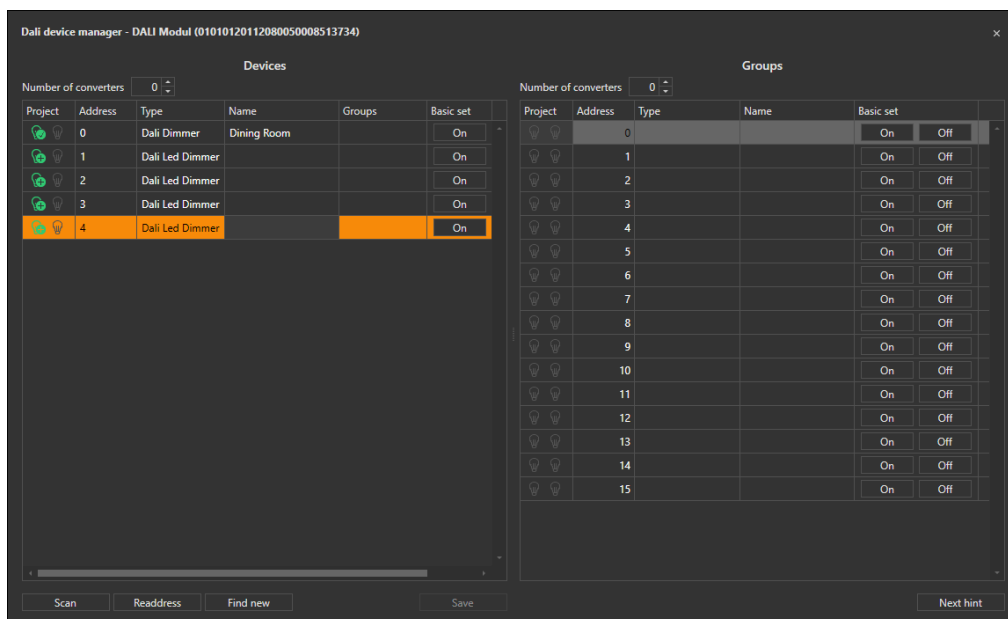
3.8 Searching for existing devices

It is possible to scan for devices after creating a new project when the addresses are already set on the DALI Devices.

Click to the “Scan” button to start the process.



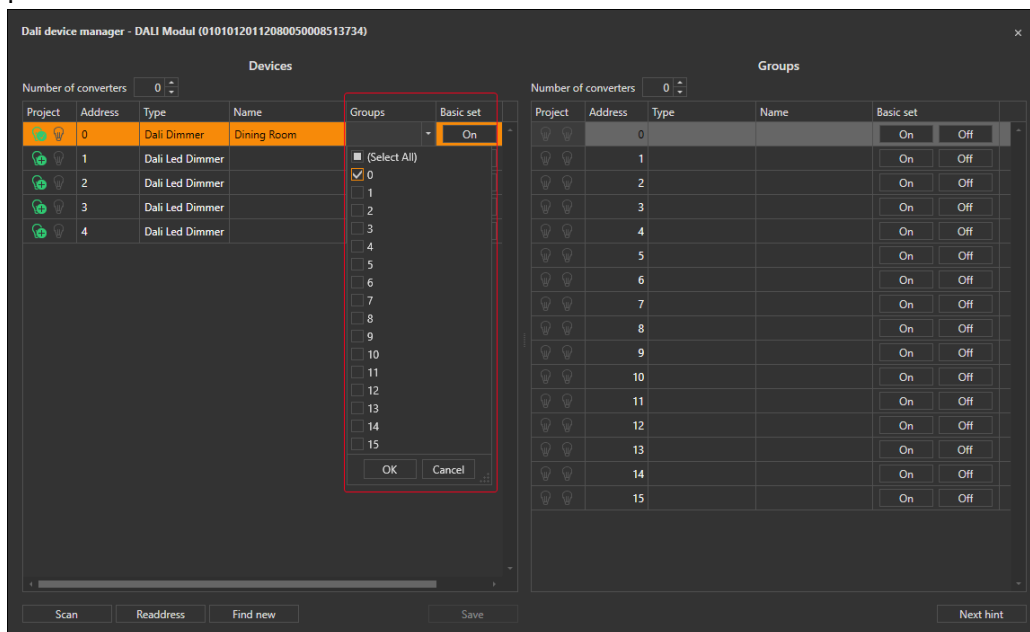
All connected and already addressed devices are listed on the left side and can be added to project. (Chapter 3.6.1).



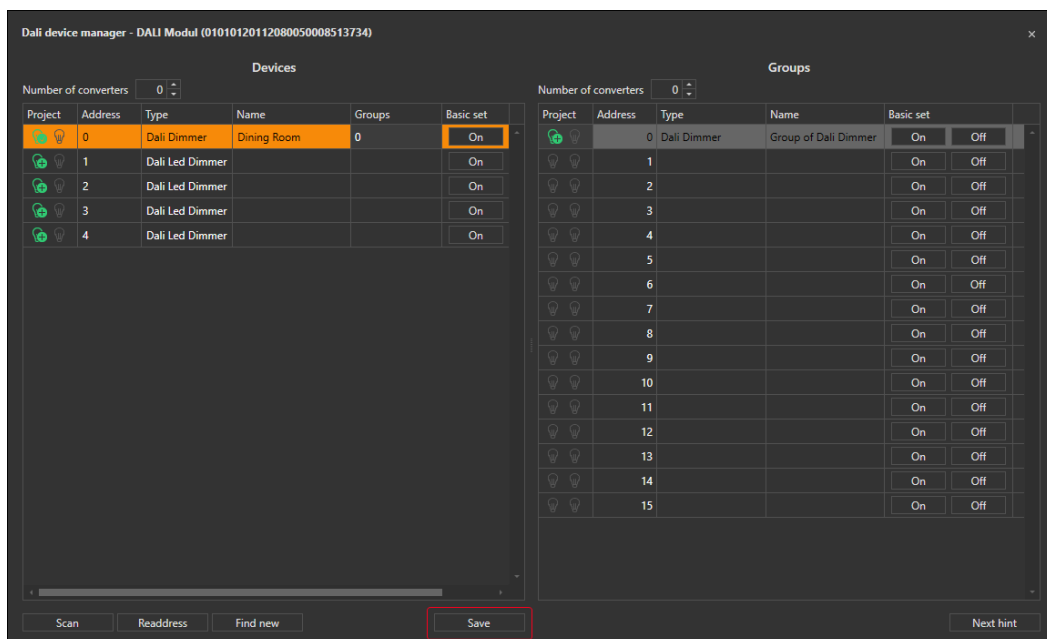
3.9 Create Groups

It is possible to add DALI Devices to one or multiple group addresses (until 16 groups). The group settings are listed on the right side.

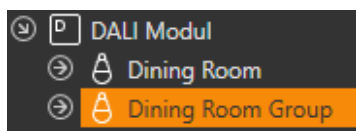
Add a device to a group with set the group on the left side on the column "Groups".



Click to the „Save“ button to write the groups to the devices



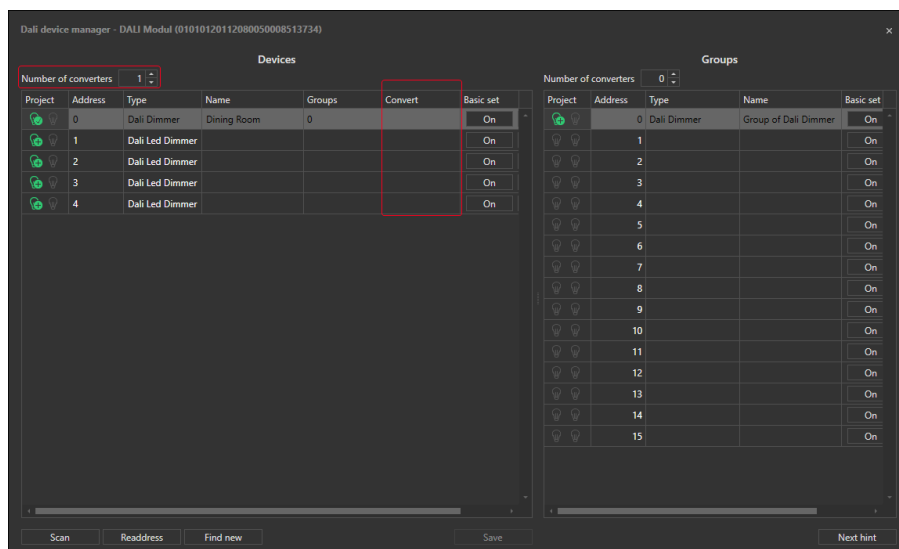
The groups are listed on the right side. Managing and testing of groups is the same like by the devices (Chapter 3.6.1 - 3.6.3). A group is displayed like a device on the project tree with one output. These enables very simple using of group addresses.



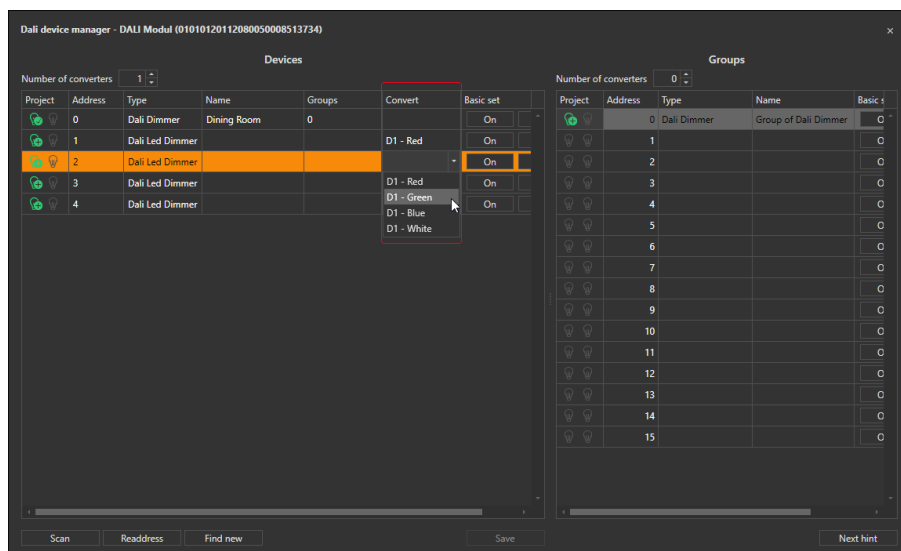
3.10 Create RGB(W) Devices

Multiple DALI addresses can be merged in one device by controlling RGB(W) LED strips. Every address is one color.

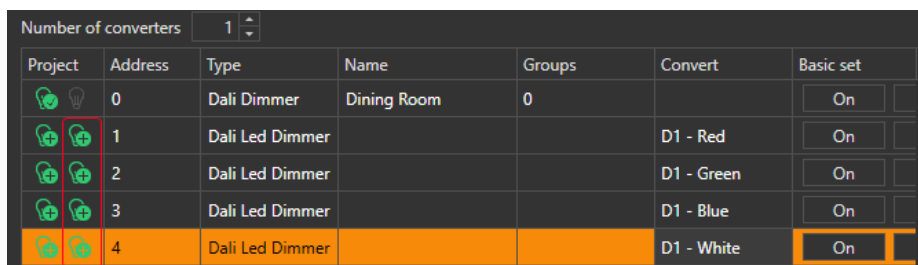
By increasing the „Number of converters“ a new column „Convert“ appears on the list.



Now the color can be selected on the “Convert” column.



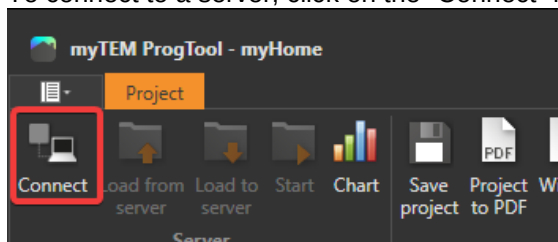
After the configuration is finished a new „Add“ symbol appears.



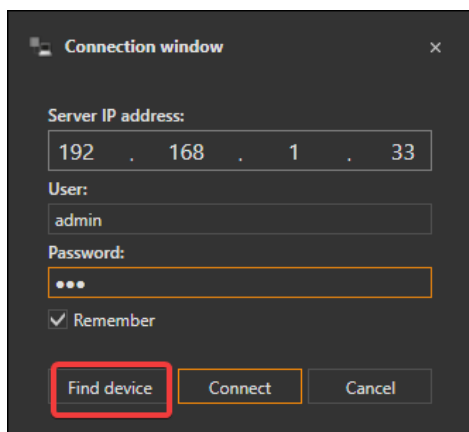
It can be added as device to project and is displayed as “one” color device.

4 Connect to Server

To connect to a server, click on the "Connect" menu.



A new window opens, where connection settings can be entered. If you do not know the IP address, you can search for the device by clicking on the "Find device" button in the network.



Connection window

Server IP address:
192 . 168 . 1 . 33

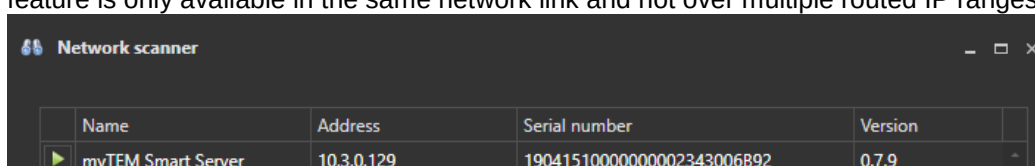
User:
admin

Password:
...

☒ Remember

Find device Connect Cancel

A list of all available devices is displayed. By clicking on the green arrow the device can be selected. This feature is only available in the same network link and not over multiple routed IP ranges.



	Name	Address	Serial number	Version	
▶	myTEM Smart Server	10.3.0.129	1904151000000002343006892	0.7.9	~

After clicking on "Connect" a connection is made. If the user name or password are incorrect, an error message will be displayed. If the connection was successful, the window will close automatically.

Standard user is 'admin'

Standard password is '123'

If devices already connected to the system, you will be asked if they should be added to the project. See description in the chapter **Fehler! Verweisquelle konnte nicht gefunden werden.**

The current connection status can be read in the status bar.

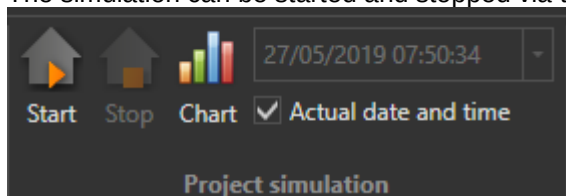
Connection status: Connected Project: Not saved User: admin Device type: myTEM Radio Smart Server IP: 192.168.1.44 Serial number: 190402100100000023430069D9 Version: 0.7.9

5 Project simulation

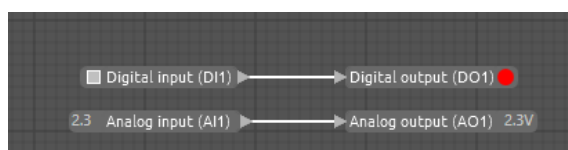
The project can be simulated without connection and without devices on the PC.

5.1 Start and stop simulation

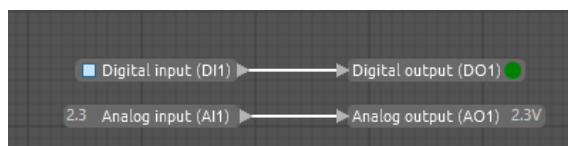
The simulation can be started and stopped via the simulation menu.



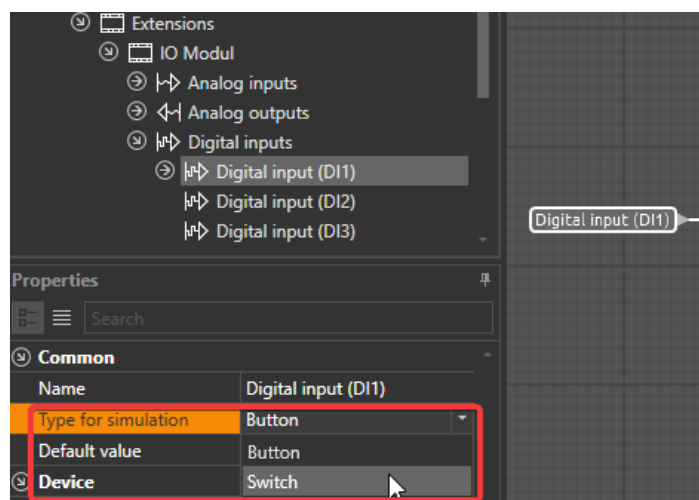
If the simulation is running, the values are displayed for all inputs and outputs. During the simulation, the drawing sheets cannot be edited.



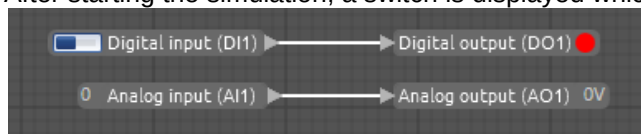
The digital inputs can be clicked. Clicked = on, not clicked = off. For digital outputs, the colour red is turned off and the colour green is turned on.



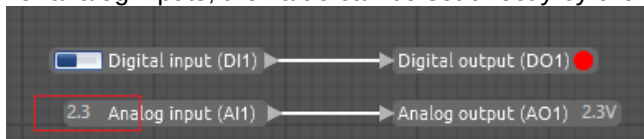
By default, a digital input is configured as a button. If you want to simulate a switch, it can be selected in the properties window of the corresponding digital input.



After starting the simulation, a switch is displayed which has the status "on" or "off".



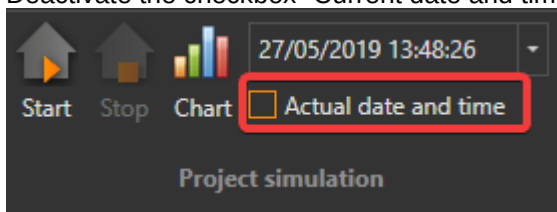
For analog inputs, the value can be set directly by clicking on the input.



5.2 Set simulation time

If you want to test time functions or calendar functions, you can set the simulation time. This allows to test events and simulate it in the future.

Deactivate the checkbox "Current date and time" in the simulation menu (check out).



Now date and time can be set via the selection menu.

25	03	2017	11	46	24
26	04	2018	12	47	25
27 Monday	05 May	2019	13 hours	48 mins	26 secs
28	06	2020	14	49	27
29	07	2021	15	50	28

After the start of the simulation, this time is taken.

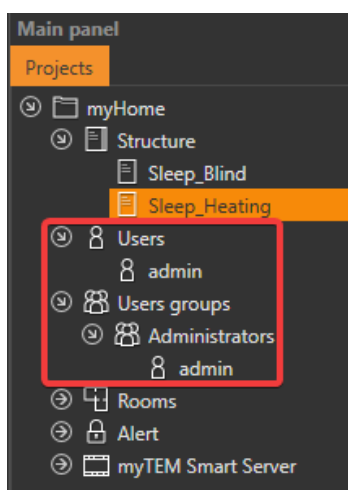
6 Mobile App visualization

Each function added on the drawing pages can be displayed on the phone.

6.1 Users and User groups

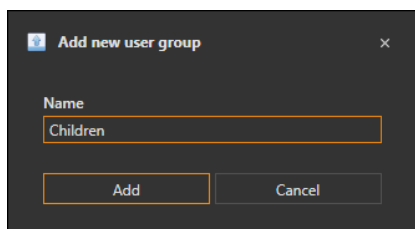
Users are required to secure access from the mobile app. Each function can be assigned one or more user groups, which have access to that function.

The users and user groups are managed and displayed in the project tree. The user "admin" can not be deleted.

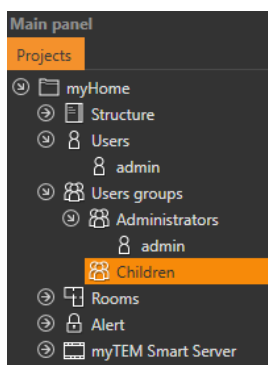


6.1.1 Create user group

Click in the menu "Add new user group". A new window opens.



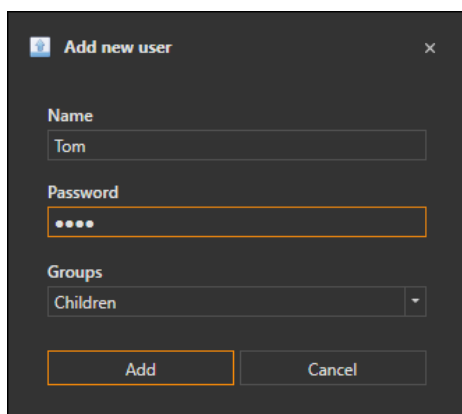
Here the name of the user group can be specified. This can be changed later. After clicking on the "Add" button, the user group is created and added to the project.



Currently no users are assigned to this group..

6.1.2 Add new user

By clicking «Add new user» in the menu, a new window opens in which the name and password for this user can be entered. The password must be another one than default password 123. The user can be assigned to one or more user groups



Add new user

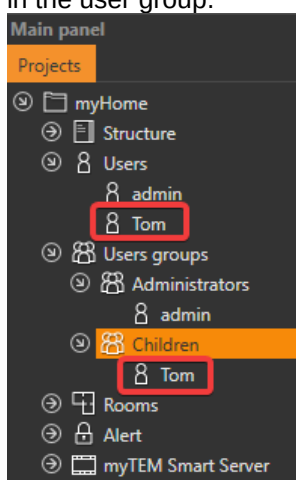
Name
Tom

Password
••••

Groups
Children

Add Cancel

After clicking on the "Add" button, the user is added to the project. The new user is now visible in Users and in the user group.



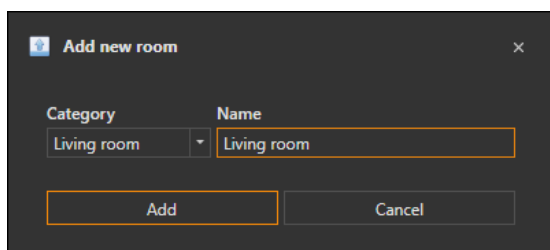
6.2 Rooms

Rooms are needed to sort the functions in the drawing pages and to define where this function is. On the mobile app they are sorted accordingly

Rooms are managed in the project tree.

6.2.1 Create new room

Click on the menu «Add new room». A new window is opening.



Add new room

Category Name

Living room Living room

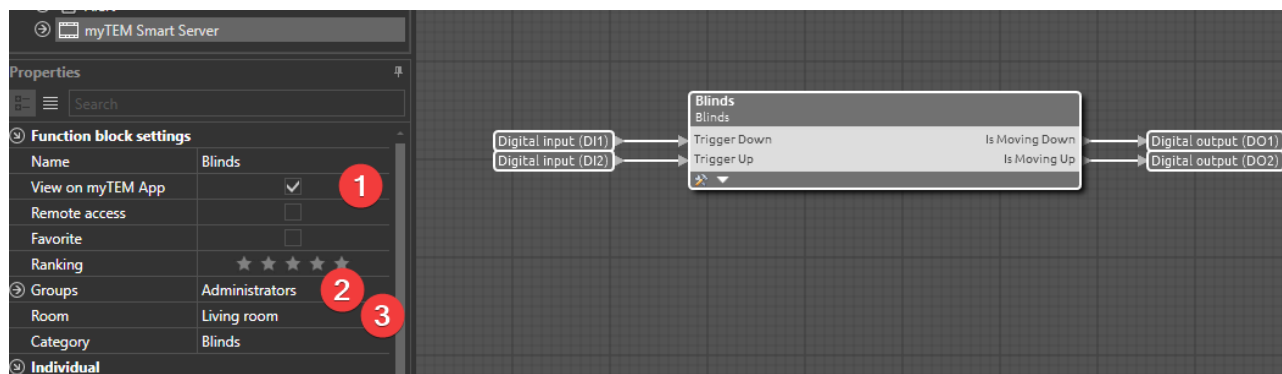
Add Cancel

Any name can be chosen. The category can also be chosen. This is used for the view in the mobile app

After adding, the room is displayed in the project tree.

6.3 Visualize / display a function

After clicking on the function block in the drawing page, settings can be made in the properties window for the display in the mobile app.

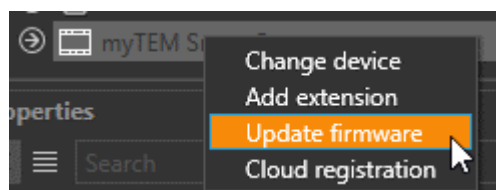


1. Activate the view in the app
2. Assign user group, which get access to the function
3. Assign the room in which the function is

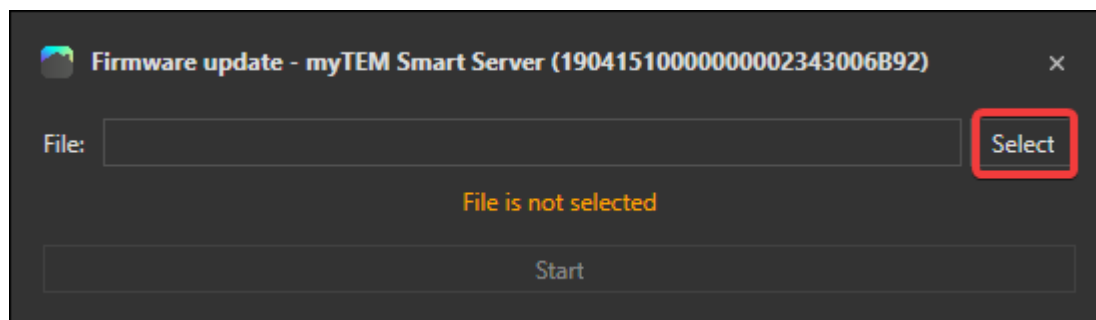
As an option, favourite and ranking settings can be made, which can also be set individually per user via the mobile app.

7 Server firmware update

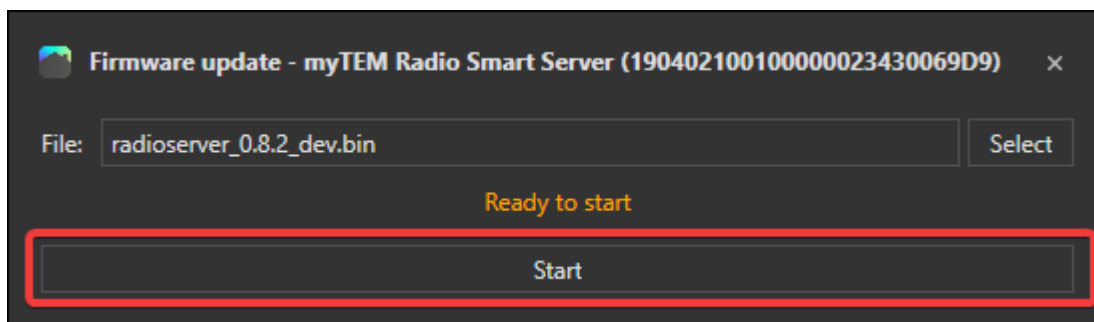
You can update the myTEM Radio Smart Server and the myTEM Smart Server by right-clicking on the server and then select "update firmware".



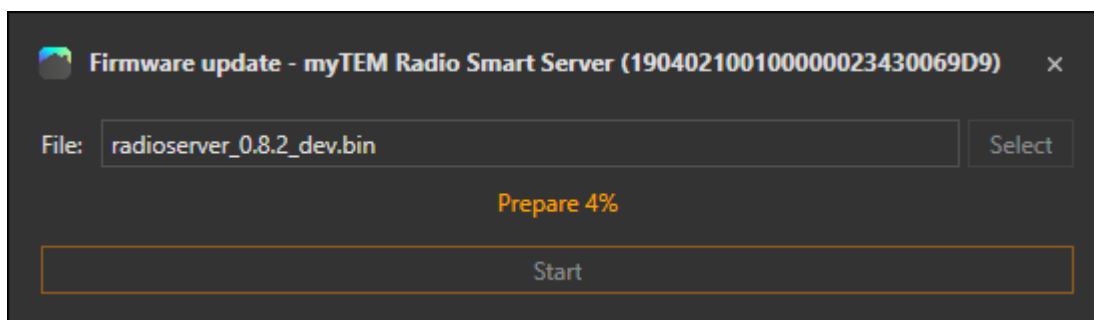
By clicking on "Select" the update file can be selected.



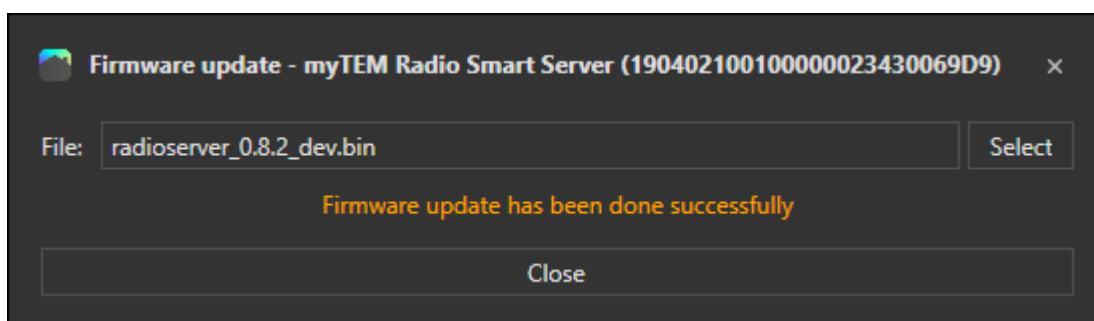
Then you can start the firmware update by clicking on "Start". The Micro SD card must be plugged in.



The firmware update can take several minutes.



After the firmware update the window can be closed.



8 Appendix

8.1 Associations

Group ID	Profile / Name	Max. no of units	Command Class	Description
1	General: Lifeline / Lifeline	1	Device Reset Locally Notification	When Button is pressed 10 times or either "Learn mode" or "Reset network" is clicked in myTem ProgTool the notification is sent.

8.2 Z-Wave Supported Command Classes

Command Class (CC)	Version	Required Security Class
Z-Wave Plus Info CC	2	None
Transport Service CC	2	None
CRC16 Encap CC	1	None
Application Status CC	1	None
Security 2 CC	1	None

Command Class (CC)	Version	Required Security Class
Security CC	1	None
Inclusion Controller CC	1	None
Powerlevel CC	1	Highest granted Security Class
Manufacturer Specific CC	2	Highest granted Security Class
Version CC	2	Highest granted Security Class
Supervision CC	1	None
Multi Cmd CC	1	None
Association CC	2	Highest granted Security Class
Association Group Information CC	3	Highest granted Security Class
Device Reset Locally CC	1	Highest granted Security Class
Network Management Inclusion CC	3	Highest granted Security Class
Network Management Basic CC	2	Highest granted Security Class
Network Management Proxy CC	2	Highest granted Security Class

8.3 Basic Command Handling

The Smart Home server is able to control other devices which supports Basic Command Class by sending Basic SET ON and OFF from the Z-Wave Manager window – described in 3.4.6 .

It can also receive Basic Command from other device in the network, but it does nothing any action of it.