User guide: **proServ and realKNX installation**

by

A.

Versions :

v1.0 : First version *(08/05/17)*
v1.1 : First version *(04/04/17)*
v1.2 : Google Home + new remote Connect *(30/08/17)*
v1.3 : Add bookmarks (libreoffice) *(11/10/17)*
v1.3.1 : Add Google Home + remoteConnect fix bug *(07/12/17)*

A. proServ

I. Presentation

The ProServ interface is an interface that allows:

- Complete configuration of the graphical user interface for iPhone, iPad and Android devices through ETS.
- Access to the KNX bus with KNXnet / IP (programming with ETS, for example)
- Control the KNX bus with our free apps "iKnix" and "iKnix HD" from Apple Store and Google Play. **New "iKnix 2" app for iOS**

II. Connection

ProServ needs a power supply of:

- External power supply 12-24V AC or 12-30V DC (800Mw)
- Power over the network cable (PoE)

In addition, ProServ must be connected to your Wifi router and the KNX bus.

III. Physical address

- Open ETS4 (ETS5 and ETS3f is also possible, however, the dialogs are somewhat different)
- Go to "Settings", "Communication" and you will find the device in "Connections" discovered
- Select the device and press "select"
- Click on "Local Settings" to assign a physical address for the interface This is necessary to program the bus with ProServ The first two digits must correspond to the TP line of your installation.

IV. ETS database

You can find the database directly on our website:

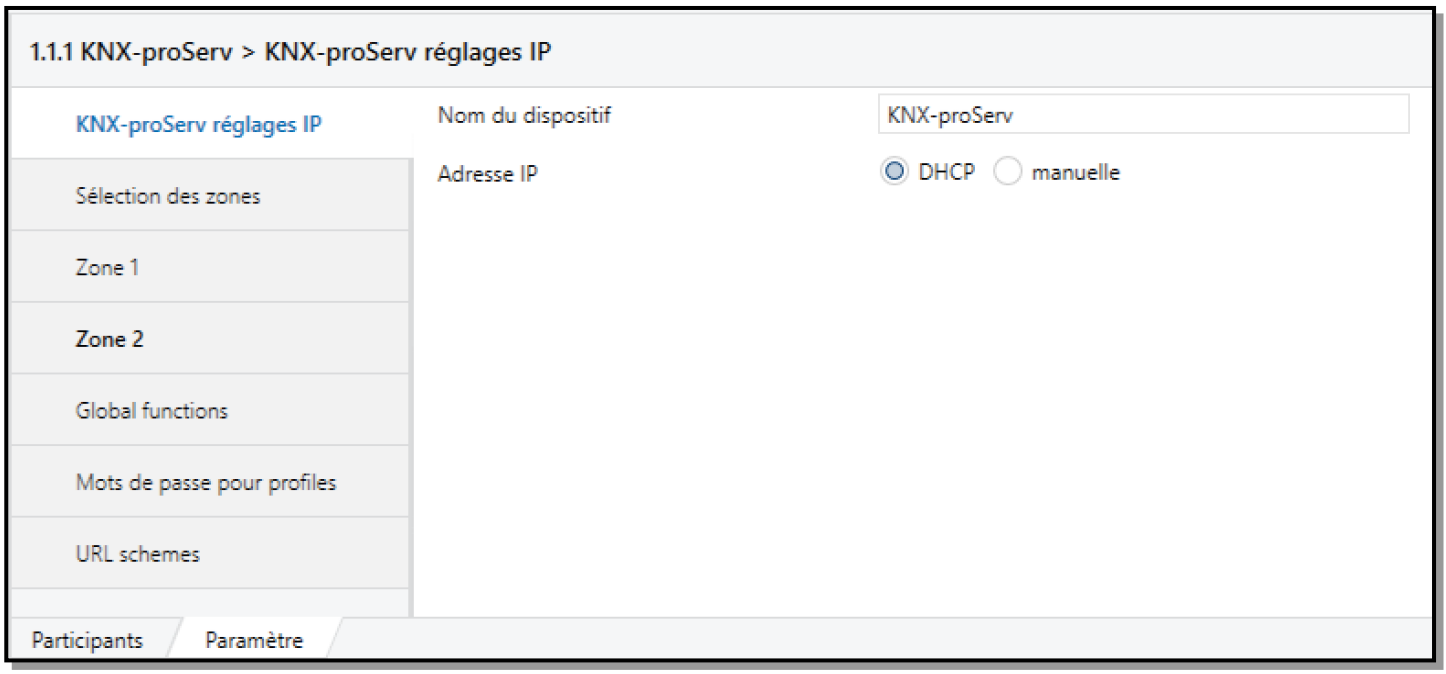
https://proknx.com/fr/downloads-fr/

V. Application ETS

a. KNX-proServ setting IP

- Name of device → You must mark the name of your installation (ex : My Home X)

- IP Adress → You have the choice of putting your proServ in DHCP or fixed IP address



proServ must be added to your local area network (LAN) and must preferably be configured with a static IP address, especially if you are going to use the realKNX Server.

b. Selection of zones

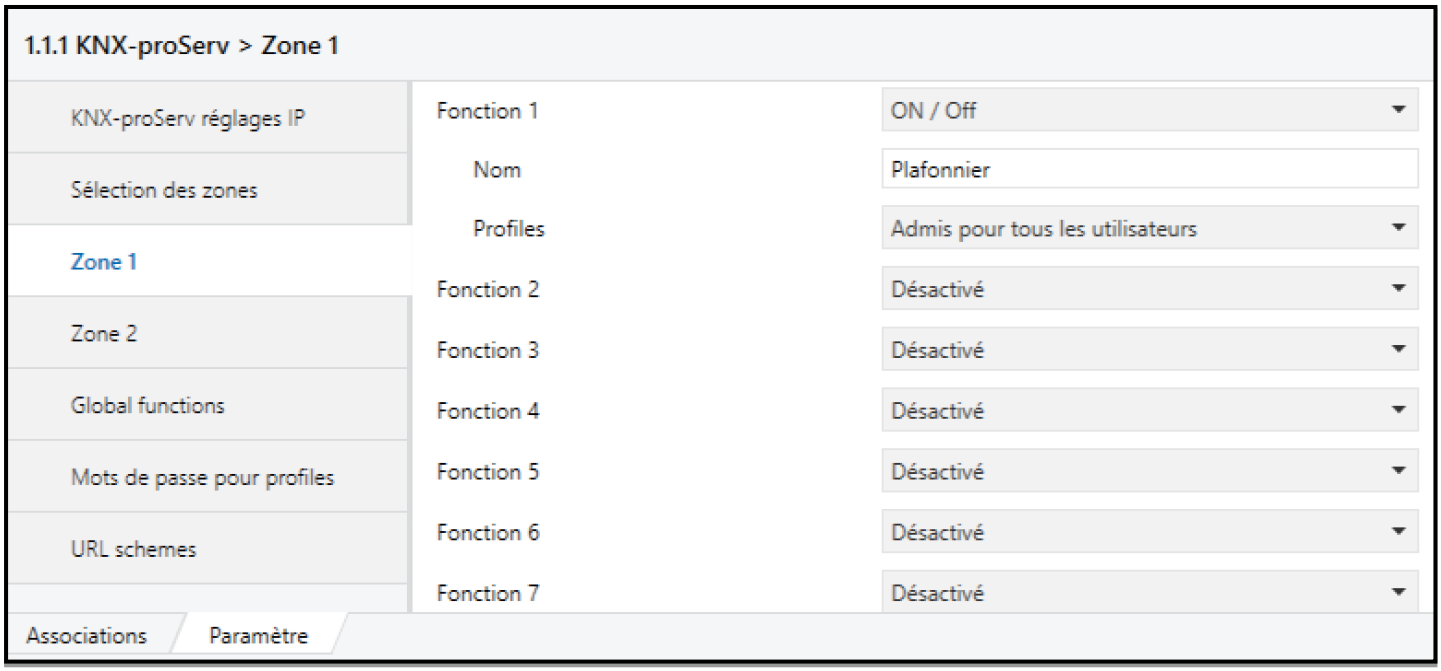
Up to 18 zones can be added.

It is from this submenu that you will begin to configure the architecture of the installation. In fact, you have to enter the name of your rooms.

Example :
Living Room
Bedroom
Dining Room
Office
Kitchen
Garden
Hall

Avoid using abbreviations for names as this will not work with the voice recognition applications!

C. Zone X



It is now necessary to enter the names of the functions that are in the selected area.

Function X → You can choose the type of function by clicking on the drop-down menu

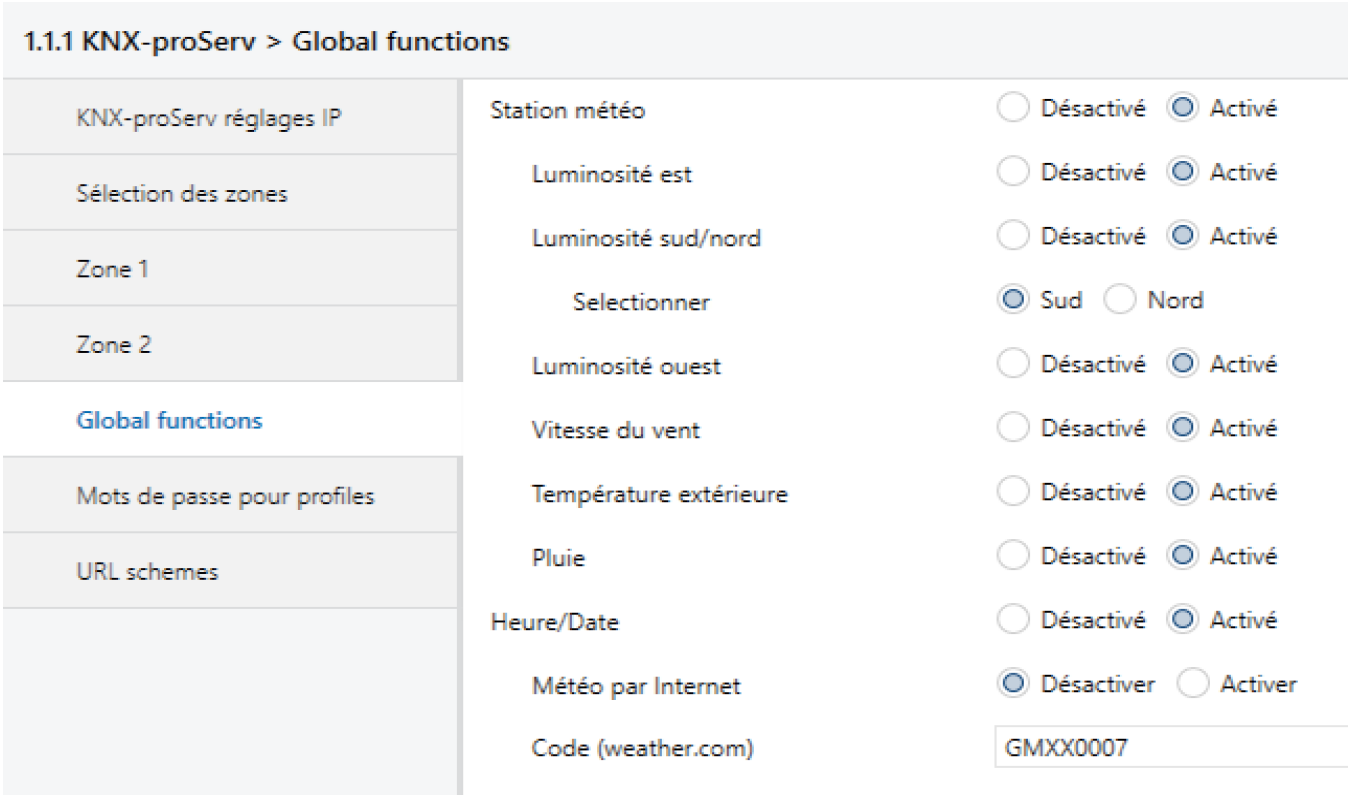
Name → You must write a description for this function

Exemple :
Ceiling
Wall lamp
Spots
LED
Speaker
Thermostat

Profiles → This allows you to block this function to other users. (See "Profiles")

Avoid using abbreviations for names as this will not work with the voice recognition applications!

d. Global Functions



Weather station→ This menu allows you to integrate a weather station into your proServ. You can select the functions that your weather station can measure.

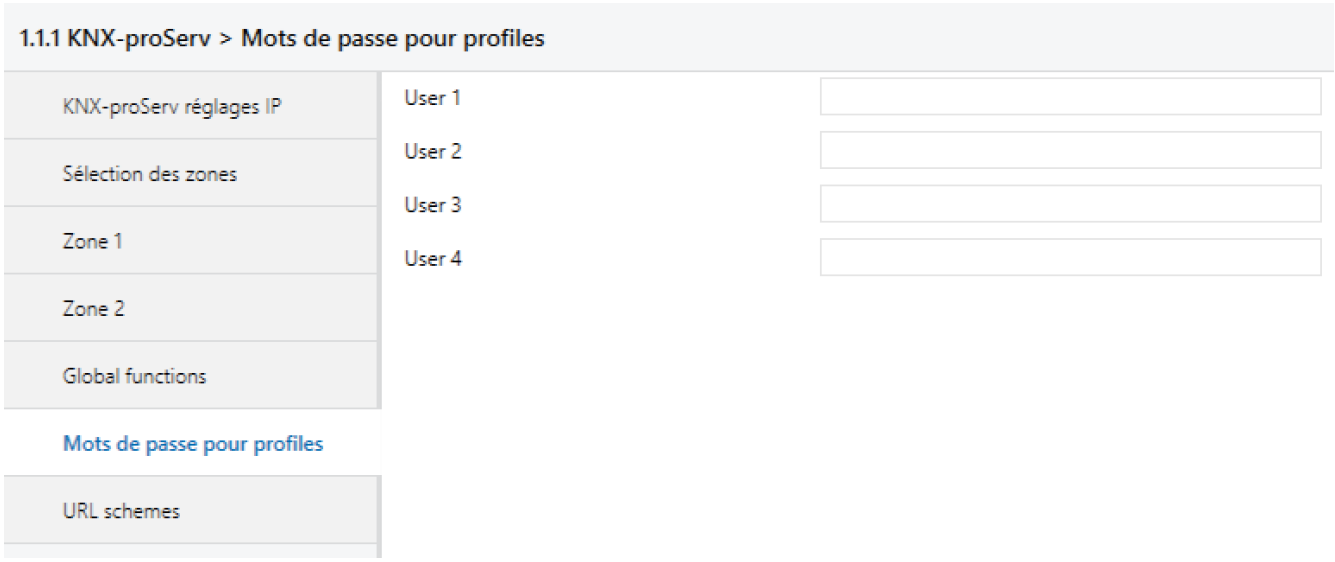
Hour/Date → By activating this menu, the communication objects for the time and the date will be freed.
The proServ will be able to send the time and date from the internet on each KNX bus every time iKnix2 is opened.

Weather by Internet → The proServ will retrieve all weather forecasts on weather.com! You must login to this site and search your city. Subsequently you must copy part of the URL and paste it into the proServ.

Exemple :

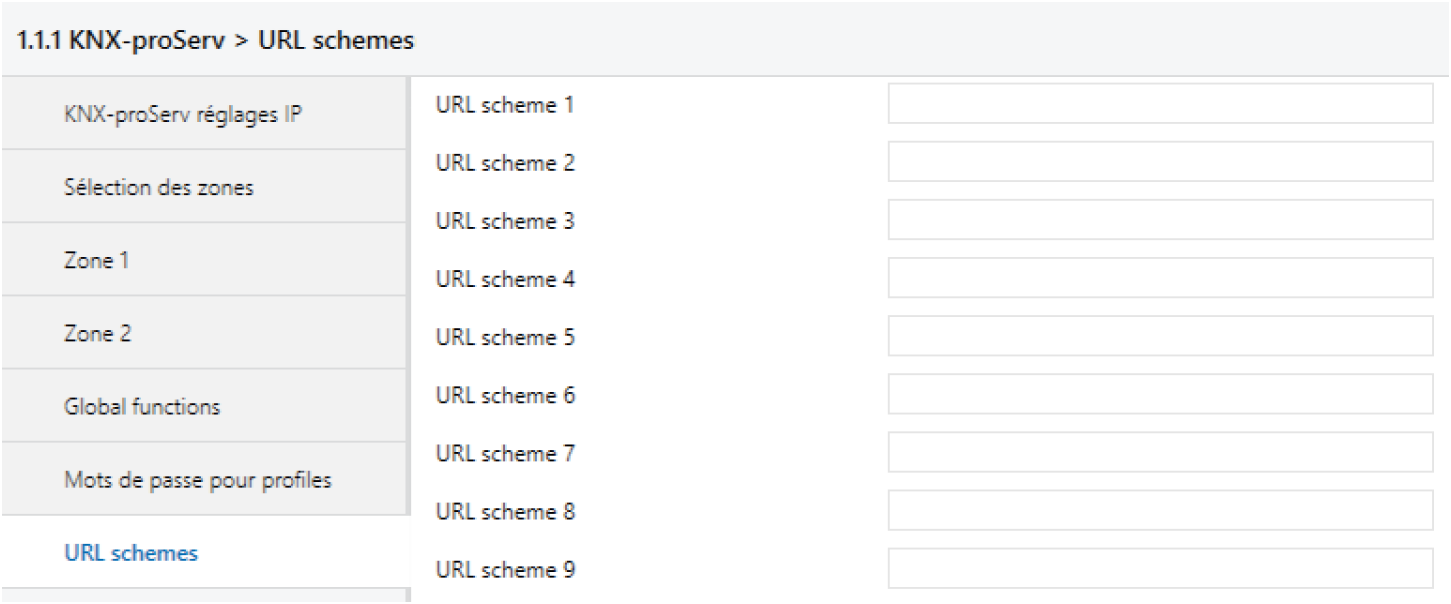
FRXX0076:1:FR

e. Passwords for Profils



In case you have integrated profiles with certain functions in the zones, it is here that you will enter the passwords for each profile. For example, a profile can be a configuration for children, guests and homeowners.

f. URL Schemes



Schema URLs allow you to enter additional commands for other applications such as Sonos.

VI. Sonos system (with realKNX Server)

a. Presentation

The realKNX allows the user to do some basic SONOS functions via the KNX bus. All parameters that are required for communication between SONOS systems and the KNX bus can be determined via the ETS database of the KNX-proServ controller.

Up to five SONOS zones can be managed via the KNX bus. Grouped zones are also recognized and monitored by KNX participants at the same time. To this end, the following functions are available:

→Commands

- Play /Pause
- Increase the volume (+)
- Lower the volume (-)
- Volume as a value (0 to 100%)
- MUTE disabled / enabled
- Next
- Previous
- Radio station selection (1-byte coded value)
- Next radio station
- Previous radio station

→States

- Station radio (as 14-byte character string)
- Title (as 14-byte character string)
- Artist (as 14-byte character string)
- Album (as 14-byte character string)
- Volume (0 to 100%, 1 byte)

b. Zones Sonos

The SONOS system must be installed correctly before the realKNX Server connection configuration. It is possible to create more or fewer zones than the five zones controlled by realKNX/proServ. If more zones are installed, select five:

- Must be controlled by KNX
- Are frequently or constantly grouped together

However, the following combination counts as a SONOS zone:

- Play:1, Play:3 ou Play:5 individuel
- Speaker stereo Play:1, Play:3, Play:5 (Only the left speaker counts here!)
- un ZP90 ou ZP120
- un Playbar
- A Playbar with combined speakers or ZPs (only the Playbar counts here)

A subwoofer or a bridge does not need to be counted.

To identify the SONOS zones, the zone serial numbers must be identified. To do this, start a SONOS controller (App iOS, Android or PC) and note the serial number of the devices to be counted in the settings *"About my SONOS system"*: Exemple "Serial number: B8-E9-37-38-0D-2C: GB"
The string required later for the configuration becomes: "RINCON_B8E937380D2C01400"
Replace the red letters / numbers combination!

c. Radio Station

Five different radio stations can be started directly by KNX commands. The stations must first be set by a SONOS controller (iOS, Android or PC). Search and select the station you want by "Radio". In the dialog that follows, add "Info & Options" and "Add to my radio stations". The transmitters thus searched are then available directly under "Radio" -> "My radio stations".

d. Configuration KNX

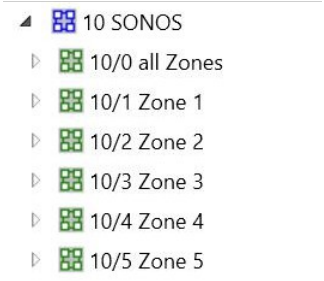
For configuration, a KNX-proServ controller is required. This can be provided by manufacturer iKnix or BleuCommAzur (the name of the manufacturer is printed on the side of the module)

Download the group addresses for ETS4 / 5 on the following link:

https://proknx.com/web/fr/realknx/sonos/sonos-group-adresses.csv.zip

Import these group addresses into your ETS project. **Caution: The level of 10 / x / x group addresses must be free.** If this were not the case, the existing 10 / x / x level should be moved to another level. This can be done by simply transferring the main level 10 to another free level. Then the devices that have communicated at this level must be reprogrammed (program only the application program, physical address can be maintained).

The structure of group addresses like this will be imported:



The following settings must be made in the proServ parameters (The URL scheme index can be freely chosen):

URL scheme 1 :

#SONOSX#<Adresse IP realknx Server>#<Identification zone1>#<Identification zone2>#<Identification zone3**>#<Identification zone4>#<Identification zone5**

Enter the <realKNX Server IP address>. Enter the <identification zone> as described in the SONOS zones section. Up to five RINCON channels can be entered. If the number of zones is smaller, one reduces accordingly.

URL scheme 2 :

#RADIO#<Name radio Station1>#< Name radio Station2>#< Name radio Station3>#< Name radio Station4>#< Name radio Station5>

The <Name radio Station x> must be entered literally (as described in the Radio stations section). Up to five radio transmitters can be input. If the number of transmitters is smaller, the number of transmitters is reduced accordingly.

URL scheme 3 :

[#ALTIP#<IP Adress of proServ>]

The alternative IP address <IP address of proServ> is optional and is only necessary if the communication after the parameterization is not to be carried out by the proServ. In most cases, you may leave it empty.

e. Communication Sonos / proserv / realKNX Server

Communication with the KNX bus is via the KNXnet / IP "tunnel". The KNX-proServ allows communication via up to five tunnels. To enable SONOS communication and ETS programming at the same time, please press the KNX-proServ programming button until the LED flashes.

10/0/0 : Cette adresse démarre ou arrête toutes les zones en même temps indépendamment d'un groupement.

10/x/1 : Commande de démarrage de la zone x avec « 1 », commande d'arrêt de la zone x avec « 0 ». Si la zone est regroupée avec une ou plusieurs zones, celles-ci sont également activées ou arrêtées !

10/x/2 : Statut de la zone x (démarrée ou arrêtée)

10/x/3 : Réglage du volume sonore de la zone x d'une valeur codée sur 1 octet. (Plage de valeur 0 à 100) même si la zone est regroupée avec une autre zone, le volume sonore est réglé seulement à partir de cette zone.

10/x/4 : Confirmation du volume sonore actuel en tant que valeur

10/x/5 : Réglage du volume sonore relatif : Télégramme MARCHE, plus fort, télégramme ARRÊT, plus faible. Pour le réglage continu du volume sonore, le télégramme doit être envoyé à plusieurs reprises. Le télégramme MARCHE déclenche aussi un démarrage de la zone.

10/x/6 : Coupure du son (MUTE) de la zone x avec « MARCHE », fonctionnement normal avec « ARRÊT ». Par rapport à démarrage/arrêt, cette commande permet également la coupure du son d'une zone groupée, sans l'arrêt des autres zones.

10/x/7 : Confirmation de la coupure du son (MUTE)

10/x/8 : Info, aucune possibilité de contrôle

10/x/9 : Titre comme chaîne de caractères sur 14 octets pour les playlists, info supplémentaire pour des programmes radio

10/x/10 : Artiste comme chaîne de caractères sur 14 octets pour les playlists, station radio pour les programmes radio

10/x/11 : Album comme chaîne de caractères sur 14 octets pour les playlists, station radio pour les programmes radio

10/x/12 : Titre suivant pour les playlists lors d'un télégramme MARCHE

10/x/13 : Titre précédent pour les playlists lors d'un télégramme MARCHE

10/x/17 : Station radio sélection relative : avec un télégramme MARCHE, émetteur suivant, avec un télégramme ARRÊT, émetteur précédent. Lorsqu'une playlist a été Sélectionnée, celle-ci est interrompue par le programme radio.

10/1/18 : Station radio sélection absolue (1 octet) : par les valeurs 1 à 5 a lieu le choix direct de la station radio déposé. Avec 0, la zone est arrêtée. Si une playlist a été sélectionnée, celle-ci est interrompue par le programme radio. L'adresse de groupe permet également l'insertion de la station radio dans une scène.

10/x/19 : Confirmation de la station radio actuel (pas en cas de zone groupée)

B. realKNX Server

I. Presentation

The realKNX server extends the proServ with additional functionality. The realKNX server retrieves the configuration data from the proServ. The proServ is assumed to be configured from ETS via the proServ database.
Therefore, realKNX configures itself based on the configuration data of ETS.

It is important to know that after each download of the proServ, you will need to restart the realKNX server. The changes in proServ changes will only be applied after a restart of realKNX server.

II. Connection

➔ realKNX Server must be connected to the 230V network with the supplied cable.
➔ It must also be connected to the LAN port 1 via an Ethernet cable

III. IP Address

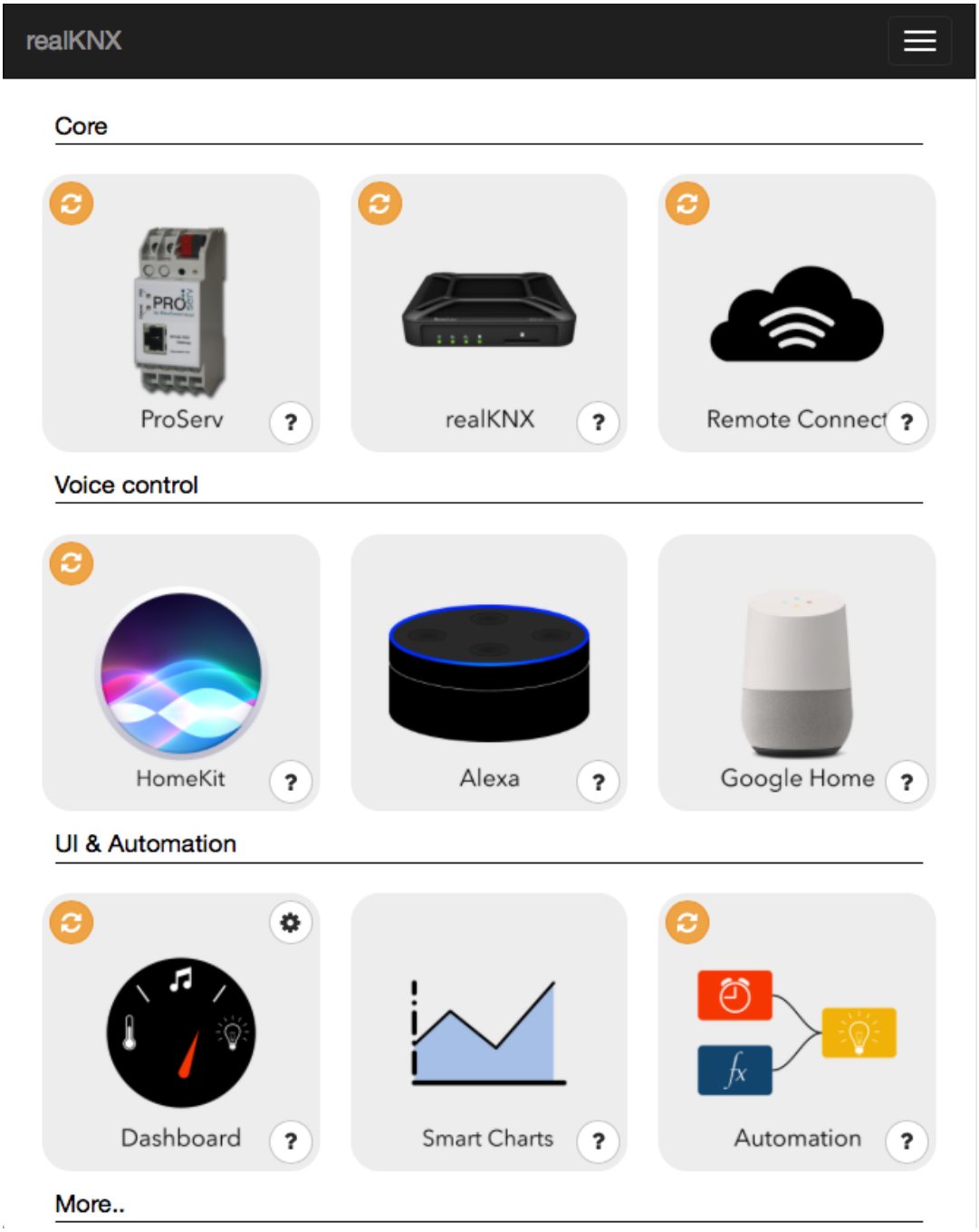
The device is shipped in DHCP mode and requires a fixed IP address in the network.
Scan your network for the realKNX Server IP address, and then follow these steps:

- Open a web browser
- Type the realKNX Server IP address
- Log in with admin: admin
- Select "Control Panel" menu
- Select Connectivity -> Network -> Network interface -> Lan 1
- Edit -> Manual Setup
- Restart the realKNX Server (from top right menu) and wait for 5 minutes

IV. Home page

The realKNX Home page is the main configuration page.
To access it, enter the following address in a web browser : http://find.proknx.xyz

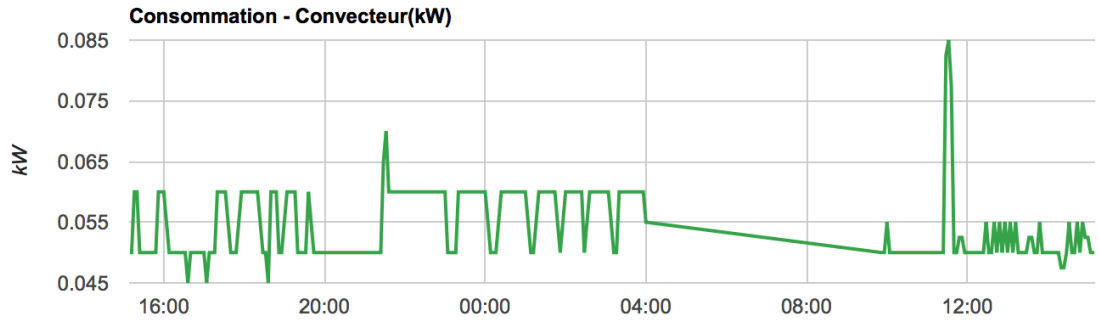
*[AdresseIP-realKNXServer]***:3000**



V. proServ Tools

a. Smart Charts

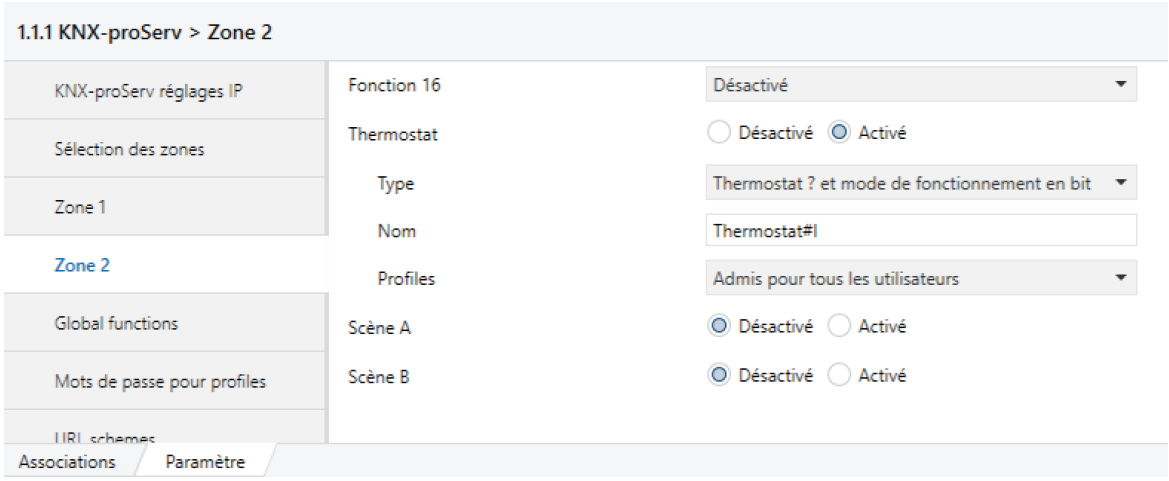
The LogView tool is used to present recorded (logged) value in a graphical user interface. The logging of data is automatic and is configured in proServ with ETS.



The recording of series of values is supported for the proServ functions "State", "Control" and "Thermostat". When a weather station is activated, the meteorological data are also recorded (without the input of control characters).
To allow the recording of values of a proServ function, simply add a "#l" in the proServ function designation. This control character is not displayed in the visualization.

After a download of the proServ, it is necessary to restart the real KNX Server !

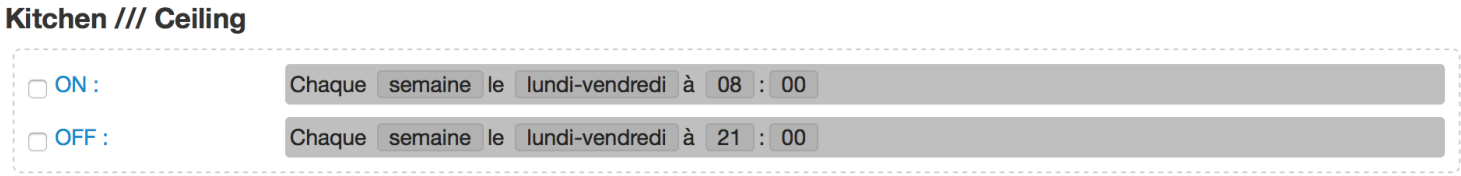
Exemple :



b. Scheduler

With the Scheduler tool, you can automate your KNX installation. For instance, you can switch lights, turn on a pump and or change comfort mode automatically at a time of day, week, or month.

Scheduling is available for the following proServ functions:

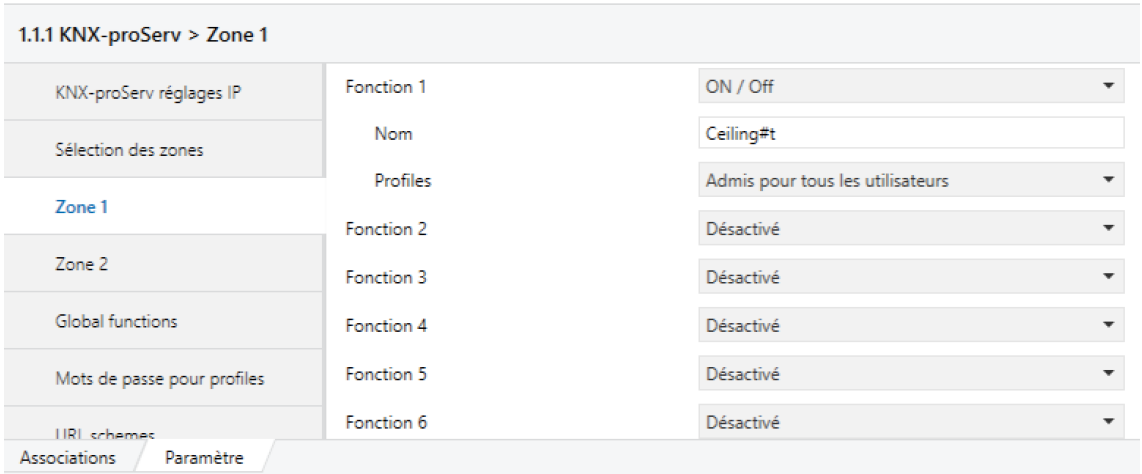


- Switching
- Variation of light intensity
- RGB separate objects
- RGB Combined / Switching Objects
- RGB combined / variation
- AUX - switching
- AUX - 8 bits without index
- All functions of Venetian blinds
- Room temperature controller, switching in an operating mode:
  - → Bit operating mode *(switching between comfort and eco)*
  - → Mode of operation in byte *(switching between comfort and night, however only if the comfort or night mode is selected beforehand so that in standby or frost protection the comfort / night switching program is deactivated automatically).*

To activate a proServ function from the scheduler, add #t to the proServ function title. The #t control characters are not displayed in the visualization.

After a download of the proServ, it is necessary to restart the real KNX Server !!!

Exemple :



VI. remoteConnect

Remote Connect is a built-in feature in realKNX Server that allows you to easily connect to your realKNX when you are not connected to the home Wi-Fi. Indeed, it will not be necessary for you to open redirect ports or create a VPN connection. Necessary for Google HOME et Alexa

a. Required configuration

- proServ connected and programmed by ETS
- realKNX Server logged in for more than 5 minutes
- Connection internet

b. Mise en service

1. Send us an email to get your credentials at the following address: remoteconnect@proknx.com

   → End User mail : .....
   → End user password: ..... *(8 characters, Shift, Lowercase + Numbers)*

2. If you wish to change your password, please click on "Forget my password", then you will receive an email to proceed with the change.

c. remoteConnectID

The login URL is created automatically. Please click on this link and connect with login credentials.

d. Function of remoteConnect

- Google Home
- Alexa
- Dashboard
- iKnix2
- Charts
- Augmented Reality
- Reboot system

VII. HomeKit

Use the voice command via Siri® to control your KNX devices. The realKNX serves as a bridge between a KNX network and the iPhone and iPad devices. The latter allow for voice control, powerful automation, including geolocation and a variety of traditional applications.

a. Prerequisits

- proServ connected and programmed by ETS
- realKNX Server logged in for more than 5 minutes
- iPhone or iPad for the end user (with these Apple IDs)
- Internet connection

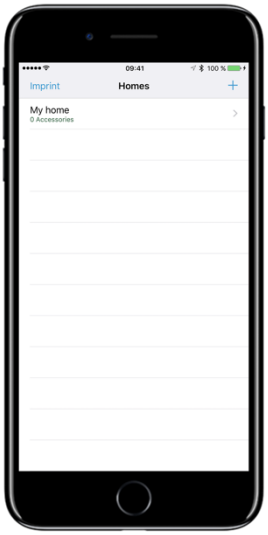
b. Application realKNX

For a commissioning, please download the application "realKNX - KNX for HomeKit" from the Apple Store.

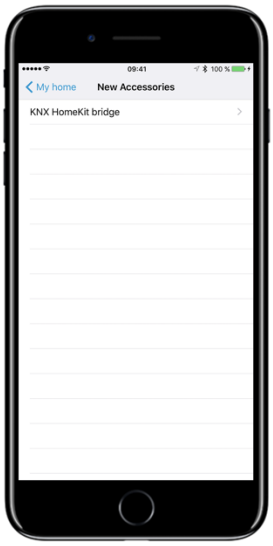
Disponible sur App Store

c. Commissioning

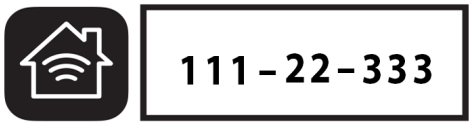
Please bring the end-user phone.

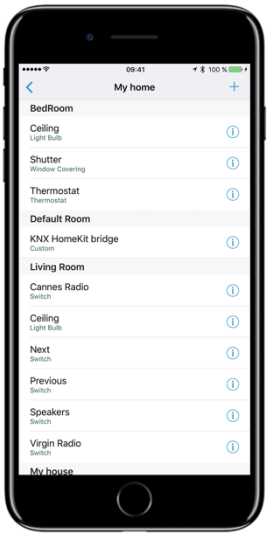


Step 1: Open the realKNX application and create a house by pressing the "+" at the top right.



Step 2: Select your home and click on the "+" at the top right to add an accessory. Subsequently, you will have to type the matching code.





Step 3: Configuration complete! All proServ functions are now integrated into our application. As a result, voice commands with Siri are now possible

d. Voice commands with Siri

Control of lighting

- General :
  - Turn lights on / off
  - Turns the lights on in {ZONE}
  - Are the lights switched on?

- Individual circuit ON/OFF :
  - Turns ON / OFF the {FUNCTION} in {ZONE}
  - Is the {FUNCTION} on in {ZONE}?

- Individual circuit diming:
  - Set the {FUNCTION} in {ZONE} to 50%
  - Set the {FUNCTION} in {ZONE} to 75%

Control of motors

- General House :
  - Opens/Closes shutters

- Individual circuit :
  - Opens / closes the pane in the {ZONE}
  - Raise / lower the 10% shutter in {ZONE}
  - Set the pane in the {ZONE} to 20%
  - What is the position of the pane in {ZONE}?

Control of thermostats

- General House :
  - Set heating/cooling/thermostat
  - Turns off heating/air conditioning/thermostat

- Thermostat individual :
  - Set heating/cooling/thermostat in {ZONE} to 21°C
  - Increase/decrease heating/cooling/thermostat in the {ZONE} to 3°C
  - What is the temperature in {ZONE}?

Commande Divers

- Opens/closes the gate **(Aux-Toggle)**
- Active {SCENES} in {ZONE} **(Aux-1byte)**

e. Remote control and automation

By adding an Apple Tv (4th generation), configured with the same Apple account as the one of the pairing, as well as in the same Lan network as the realkNX Server, you will have a remote connection with nothing to do.

This same Apple Tv will also allow you to do automations like:

- Geolocation
- Programmable clocks
- Logic according to state

For more information, please visit this site:

f. Share control of your home

You can invite others to control your accessories if they use iOS 10 and are connected to iCloud. To share control of your accessories, you must either be at home or have an Apple TV set up in your home.

<u>To invite others:</u>

- Open the Home app and tap the Home tab.
- Touch in the upper left corner.
- Touch Invite.
- Enter the Apple ID that the person uses for iCloud.
- Touch Invite.

The recipient receives a notification in the House app on his device.

<u>To accept an invitation:</u>

- Open House and tap
- Touchez Setting Homes
- Touch Accept and then Done.

g. Solutions

➢ I can not find the accessory "KNX HomeKit Bridge" when I want to do a match:

1. Verify that you are on the same Ethernet network as the realKNX Server
2. Verify that the IP address of the proServ is correct: http://<IP_address_realKNX_server>:8081/proserv/settings.html
3. Restart realKNX Server
4. After 5 minutes, open *[AdresseIP-realKNXServer]***:3000**/#homekit then select "Reset KNX HomeKit Bridge Server"

➢ Unable to pair with "KNX HomeKit Bridge":

1. Restart realKNX Server
2. Remove the home from the "Home" application
3. After 5 minutes, open *[AdresseIP-realKNXServer]***:3000**/#homekit then select "Reset KNX HomeKit Bridge Server"
4. Create new home then try again the pairing

➢ I can not find the "Reset KNX HomeKit Bridge Server" button:

1. Please send us an e-mail to the following address:

➢ I don't want to display a feature on HomeKit:

1. Please add a **"#h"** in the name of the proServ functions that should not be displayed.
2. Restart the realKNX Server after downloading the proServ

➢ The application "House" is very long, what to do?

1. We recommend that you use our "iKnix2" application for a standard button control. On the other hand, the application "Eve" is very good too.

h. Various information

• You must have iOS 10-11 on your Apple devices.
• HomeKit Bridge has a limit of 99 functions. If you have more functions, please delete it with an #h in proServ.

• Do not use special characters or abbreviations for better speech recognition.

VIII. Amazon Echo

Use the voice command via Alexa® to control your KNX devices. The realKNX Server acts as a bridge between a KNX network and the Amazon Echo. The latter allow voice control on a casing connected continuously in your home.

a. Prerequisits

- proServ connected and programmed by ETS
- realKNX Server logged in for more than 5 minutes
- Amazon Echo, or Echo Dot
- Internet connection

b. Application ALEXA

For a commissioning, please download the application "Amazon Alexa" on the Apple Store then follow the indications on the screen

c. Commissioning

After completing the installation of your Amazon Echo on the same network as your realKNX Server, you are able to start your system:

1. Indeed, please say: "Alexa, discover devices"!

2. 30 seconds later, Alexa is supposed to give you the numbers of equipment that are in the network.

If you have multiple Amazon Echo with the same Amazon account in your installation, you do not need to re-commission.

d. Voice commands with Alexa

Control of lighting

- General : (For general orders, you must create a group in Smart Home, see here)
  - Alexa, lights up {ZONE}
  - Alexa, light switches lounge {ZONE}

- Individual circuit ON/OFF :
  - Alexa, turns the {FUNCTION} on {ZONE}
  - Alexa, Eteins the {FUNCTION} in {ZONE}

- Individual circuit Diming:
  - Alexa, Set {FUNCTION} in {ZONE} to 50%
  - Alexa, Set {FUNCTION} in {ZONE} to 75%

Control of engines

- Général :
  - Opens the {ZONE} pane,
  - Close shutter {ZONE}

- Individual circuit :
  - Turns on the shutter in {ZONE}
  - Turn the shutter off in {ZONE}
  - Set the pane in the {ZONE} to 20%

e. Function Group

Alexa does include general functions. That's why we have to create groups. To do this, please follow these steps:

1. Log in with your credentials to your Amazon Alexa account. (or Apple app)
2. Getting to Smart Home
3. Click "Create Group"
4. Select the channels of a {ZONE}
5. Give the name "light {ZONE}"
6. Save at the bottom of the page

Repeat this for each part to allow general control of the part.

f. Solutions

➢ Alexa can not find any equipment (step 1):

1. Make sure that Alexa is connected to the same Ethernet network as realKNX Server
2. Verify that the IP address of the proServ is correct:
3. Restart the realKNX Server
4. After 5 minutes, open and select "Reset KNX Alexa Bridge"
5. Redo an equipment discovery with Alexa after the reset completed!

➢ Alexa can not find any equipment (step 2):

1. Open
2. Go to "Bridge Control"
3. Verify that the UPNP IP address matches that of the realKNX Server!
4. If it is not, replace it and save on the green button!
5. Re-discovering equipment with Alexa
6. Please email us at the following address if it still does not work:

IX. Google Home

Use the Google Home® voice command to control your KNX devices. The realKNX Server acts as a bridge between a KNX network and Google Home. This allows voice control from a connected speaker or from your smartphone with the Google Wizard.

a. Prerequisits

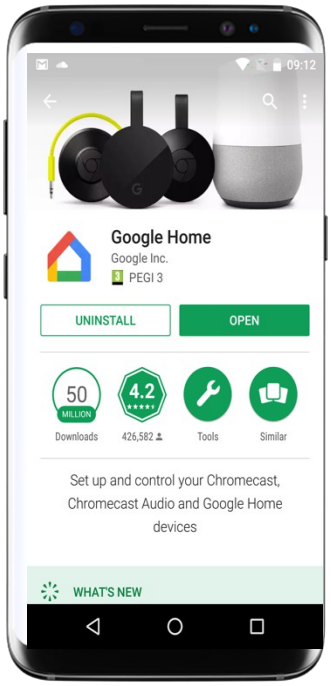
- proServ connected and programmed by ETS
- realKNX Server logged in for more than 5 minutes
- remoteConnect
- Internet connection

b. Application Google Home

For a commissioning, please download the application "Google Home" on the Apple Store/Google Play then follow the indications on the screen

Disponible sur Google play

Disponible sur App Store

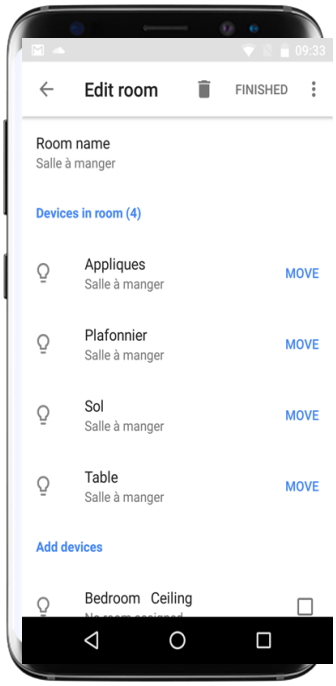


c. Commisioning

1. *Follow Google Home instructions for commissioning*
2. Go to the Google Home app and then go to the menu, then click on the "**Home Control**" submenu.
3. You can now return to the application and press the blue + button
4. Select realKNX, press "Pair" and use your ID for remoteConnect
5. Once the pairing is completed, you will have to assign the accessories to the corresponding parts.

ROOM

a) Create your room
b) Select the accessory
c) Click on « Finished »



d. Voice commands with Google Home

Control of lighting

- General
  - Ok Google, lights up {ZONE}
  - Ok Google, light switches lounge {ZONE}

- Individual circuit ON/OFF :
  - Ok Google, turns on {FUNCTION} on {ZONE}
  - Ok Google, turns off {FUNCTION} in {ZONE}

- Individual circuit Diming:
  - Ok Google, Set {FUNCTION} in {ZONE} to 50%
  - Ok Google, Set {FUNCTION} in {ZONE} to 75%

Control of thermostats

- Thermostat individual :
  - Set the temperarute in {ZONE} to 21°C
  - Increase/decrease thermostat in the {ZONE} to 3°C
  - What is the temperature in {ZONE}?

e. Solutions

- Google can not find any equipment (step 1):

1. Make sure that Google is connected to the same Ethernet network as realKNX Server
2. Verify that the IP address of the proServ is correct in realKNX Server : *htpp://[AdresseIP-realKNXServer]***:8081**/proserv/settings.html
3. Restart the realKNX Server

- Google can not find any equipment (step 2):

4. Make sure that Google is connected to the same Ethernet network as realKNX Server

x. Dashboard

The Dashboard is a supervisor that works with a web browser. Indeed, it will allow you to order your home from your computer. No configuration is required even if you can customize the buttons.

a. Prerequisits

- proServ connected and programmed by ETS
- realKNX Server logged in for more than 5 minutes
- Computer with Chrome, Firefox ou Safari

b. IP Address

Please login to this address: *[AdresseIP-realKNXServer]***:3000**/panel

c. Button Size

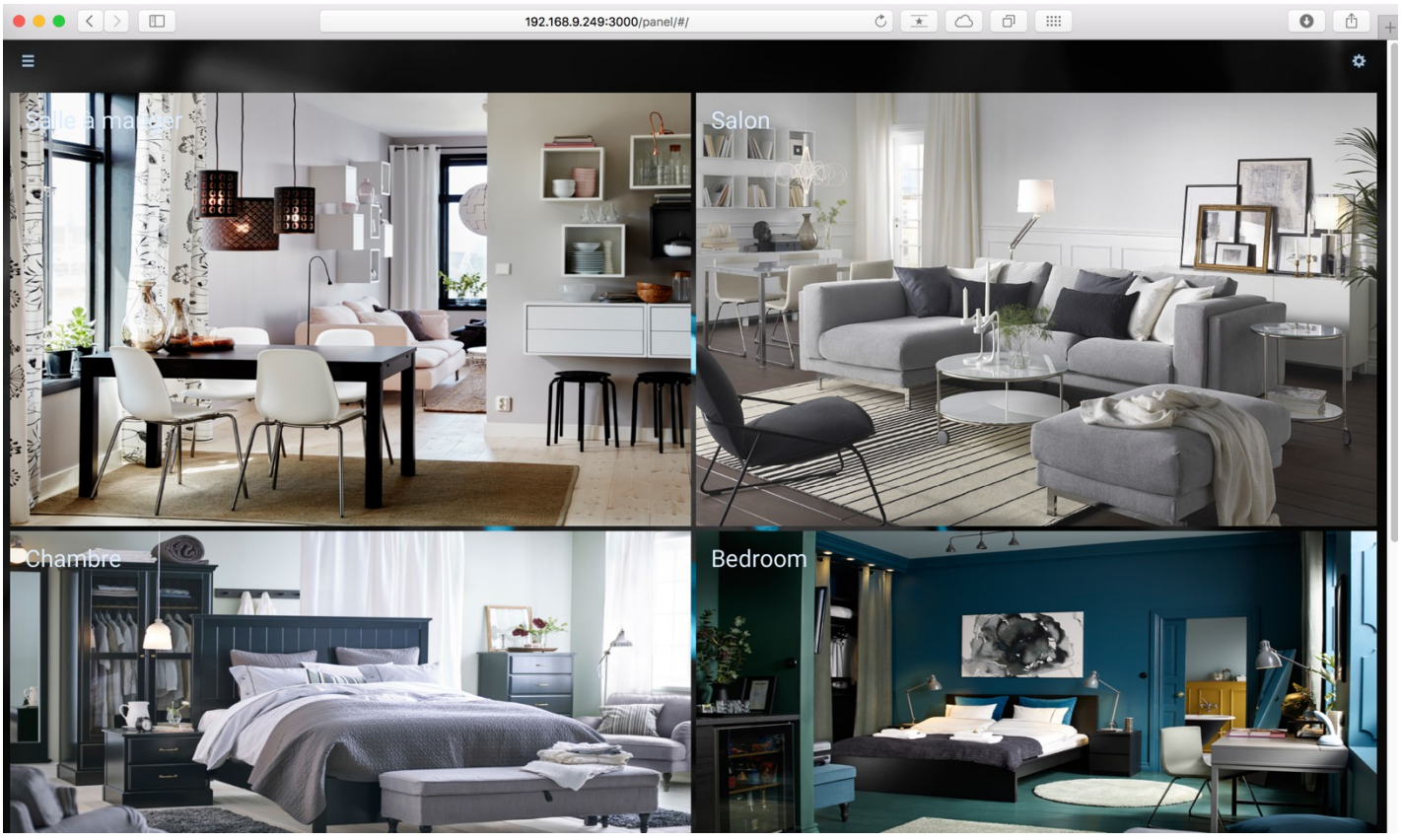
Depending on your display, you can choose the size of your buttons. Indeed, it is likely that the buttons are too big for a small screen. To change the size of the buttons, please follow these steps:

1. Click on the top left.
2. Below the date, open the settings
3. You can now choose between Large and Small

d. Customizing homepage images

It is possible to customize the background of your parts when you are in the general menu of the Dashboard. To do this, please follow these steps:

1. Click on the top left and then go to
2. Click on the top right.
3. Again, click but on the button of your room.
4. And in **« Background Image URL »**, please:
    - Write a URL link to an http image
    - Or copy the images (.jpeg) into the public folder on the realKNX-14-xx (admin-admin) and then write the following link "/public/bedroom.jpg" for example.



e. Customizing the Background Image

The background image will be the same all the time. You can change it without any problems in this way:

1. Click ☰ on the top left
2. Below the date, open the settings ⚙
3. And in « **Background Image** » on the right, please:
    - Write a URL link to an http image
    - Copy the images (.jpeg) into the public folder on the realKNX-14-xx(admin-admin)and then write the following link"/public/background.jpg" for example.

f. Choice of Appearance Theme

There are 4 types of appearances. This allows you to customize your Dashboard. Here is the procedure for easily changing themes:

1. Click ☰ on the top left
2. Below the date, open the settings ⚙
3. And in **"Theme"** on the right, please choose between:
    - Default
    - Material
    - Material Dark
    - Pale Blue
    - Translucent

g. Name of the Dashboard

It is necessary to rename the name of your Dashboard

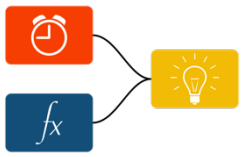
1. Click ☰ on the top left
2. Below the date, open the settings ⚙
3. Dans « **Panel name** », sur la partie droite, veuillez écrire le nom de votre installation.

h. Editing the proSev and resetting the Dashboard

When a change is made in the proServ, realKNX Server must be restarted. In addition, you must reset the dashboard to retrieve the changes. Attention, you will lose the whole of the old configuration !!!!

1. Click ☰ on the top left
2. Below the date, open the settings ⚙
3. On the right side, press « **Reset Large and Small** »

XI. Automation



Automation

We use the Node-Red graphical programming language which will allow automation and logic functions for the KNX. This programming language is very simple. Our realKNX node retrieves all proServ information and therefore does not require any additional programming except for the proServ performed by ETS.

a. Prerequisits

- realKNX Server logged in for more than 5 minutes
- proServ connected and programmed by ETS
- Internet connection

b. Node realKNX

The realKNX node is installed by default in Node-RED when realKNX is delivered.

c. Connection to Node-RED

Please click on "Automation" in the
Default login : admin/admin

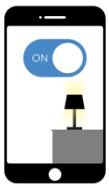
d. Exemple

In the Node-red menu, you can click on "ProKNX Librairy" to obtain configuration examples (or else .You can copy the source code and import it into Node-Red. You only need to change some settings.

e. Customizing the nodes

Node-Red is an open source tool, there are thousands of nodes to communicate very easily with other protocols or other principally.
To do this, please go to the menu Node-Red (Hamburger top right ..) and click "Manage Palette". From there, you have access to all the nodes that are currently installed but by clicking on "Install" you can perform a search like "Google Maps". It's up to you to discover your limits ...

XII. Augmented Reality



Augmented Reality

The augmented reality will allow to launch actions on the KNX from your KNX camera.

a. Configuration requise

- realKNX Server logged in for more than 5 minutes
- proServ connected and programmed by ETS
- Internet connection

b. Complete notice

Please open this pdf file where you will find the complete documentation :