Basic / Intermediate / Expert

Revox Integration

In spaceLYnk / Wiser for KNX / fellerLYnk

Application note

LSS100100

LSS100200

36170-00.REG

03/2020

REVOX

Studio Sound Quality

Life Is On Schneider Electric

www.schneider-electric.com

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Important Safety Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Further information

The information provided must be complied with, otherwise program or data errors may occur.

You will find additional information here to make your work easier

Table of Contents

For your safety

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- **Connecting to installation networks**
- **Connecting to several electrical devices**
- **Laying electrical cables**
- **Safety standards, local wiring rules and regulations**

Failure to follow these instructions will result in death or serious injury.

1 Introduction

For the configuration of the multiuser system, Revox offers a web-based user interface, the Voxnet Configurator, which can be called up with all common browsers such as Internet Explorer, Firefox, Chrome etc. This form has the advantage that the installer or integrator is very flexible in choosing and platforms such as Can use Win PC or Mac. Mobile devices such as iPad or Android tablets are less suitable for configuration because the configurator does not support scaling for mobile devices and the DSM operating system of Synology NAS only allows restricted access from mobile devices.

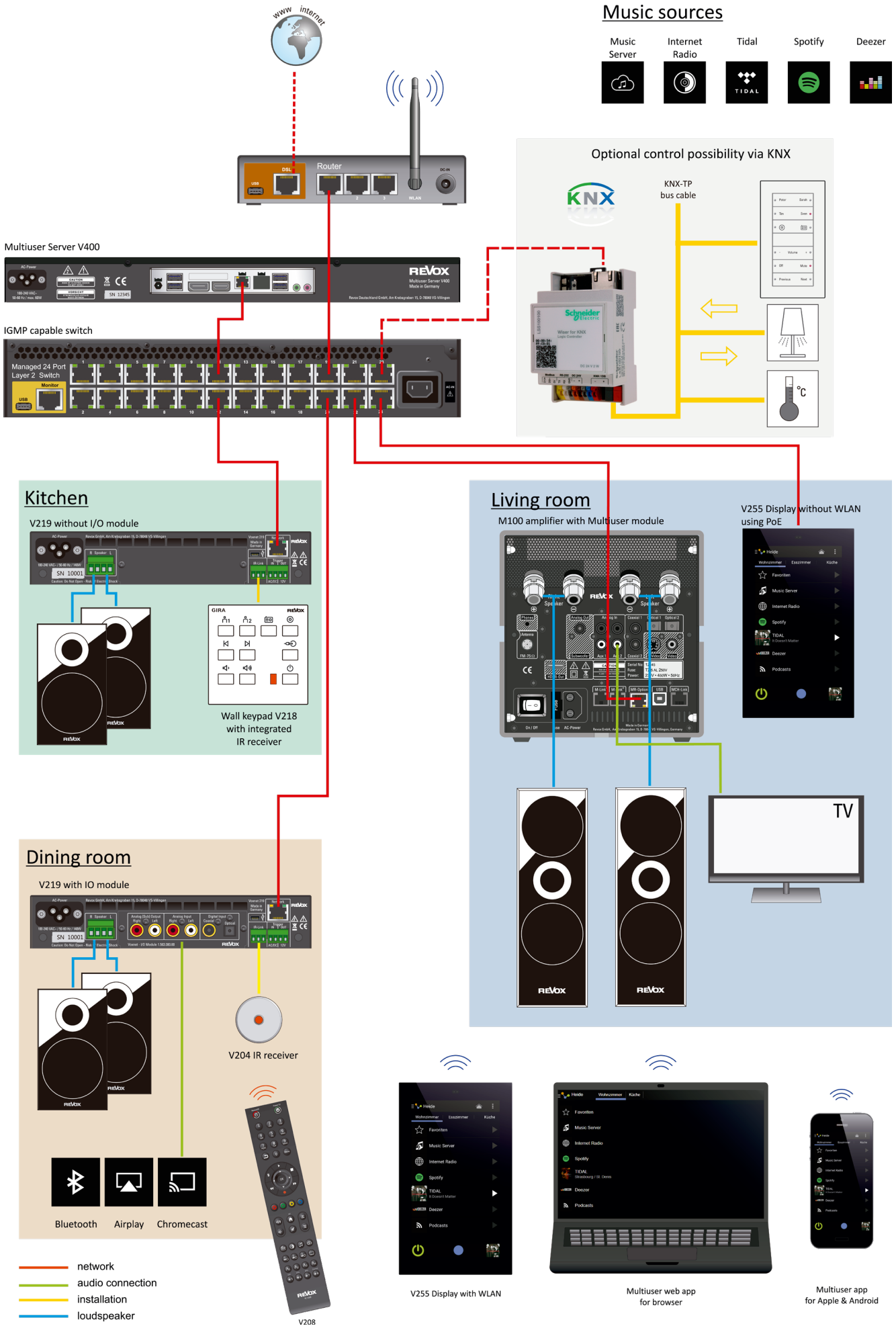
The configurator communicates with the multiuser server, which is located on the Synology NAS. All configuration data of the entire multiuser system are also saved there. This includes all Voxnet services, rights management and the license server. The Synology-NAS can be obtained pre-configured (including Voxnet-Server SW) from Revox. Areas that affect the individual Voxnet 219 amplifiers are also stored locally on this.

This description assumes that a multiuser system with all necessary peripheral devices (router, switch, Synology-NAS) is available.

The multiuser system must be configured correctly.

You can find detailed instructions on how to do this in the Multiuser manuals or from your specialist dealer.

2 Diagram

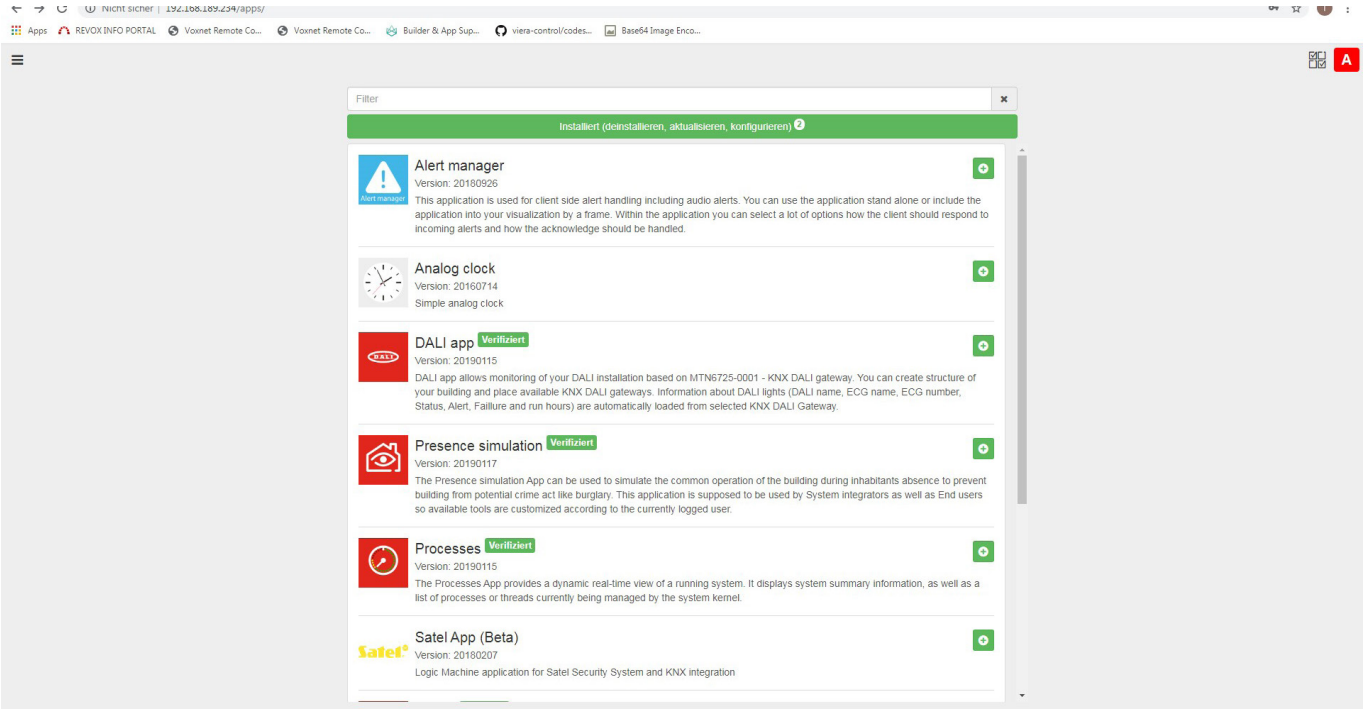

Music sources
Music Server
Internet Radio
Tidal
Spotify
Deezer
internet
Router
Optional control possibility via KNX
KNX-TP bus cable
Multiuser Server V400
IGMP capable switch
Managed 24 Port Layer 2 Switch
Kitchen
V219 without I/O module
Wall keypad V218 with integrated IR receiver
Living room
M100 amplifier with Multiuser module
V255 Display without WLAN using PoE
TV
Dining room
V219 with IO module
V204 IR receiver
Bluetooth
Airplay
Chromecast
V208
network
audio connection
installation
loudspeaker
V255 Display with WLAN
Multiuser web app for browser
Multiuser app for Apple & Android

3 Preparation

Before you connect your spaceLYnk, fellerLYnk or Wiser for KNX to the multiuser system, you should download the Revox application from the Marketplace, since the objects with their group address are automatically created according to the number of amplifiers (V219, M100 or M51), you should do the following step perform directly after downloading the application from the Marketplace:

1. Open controller's Marketplace

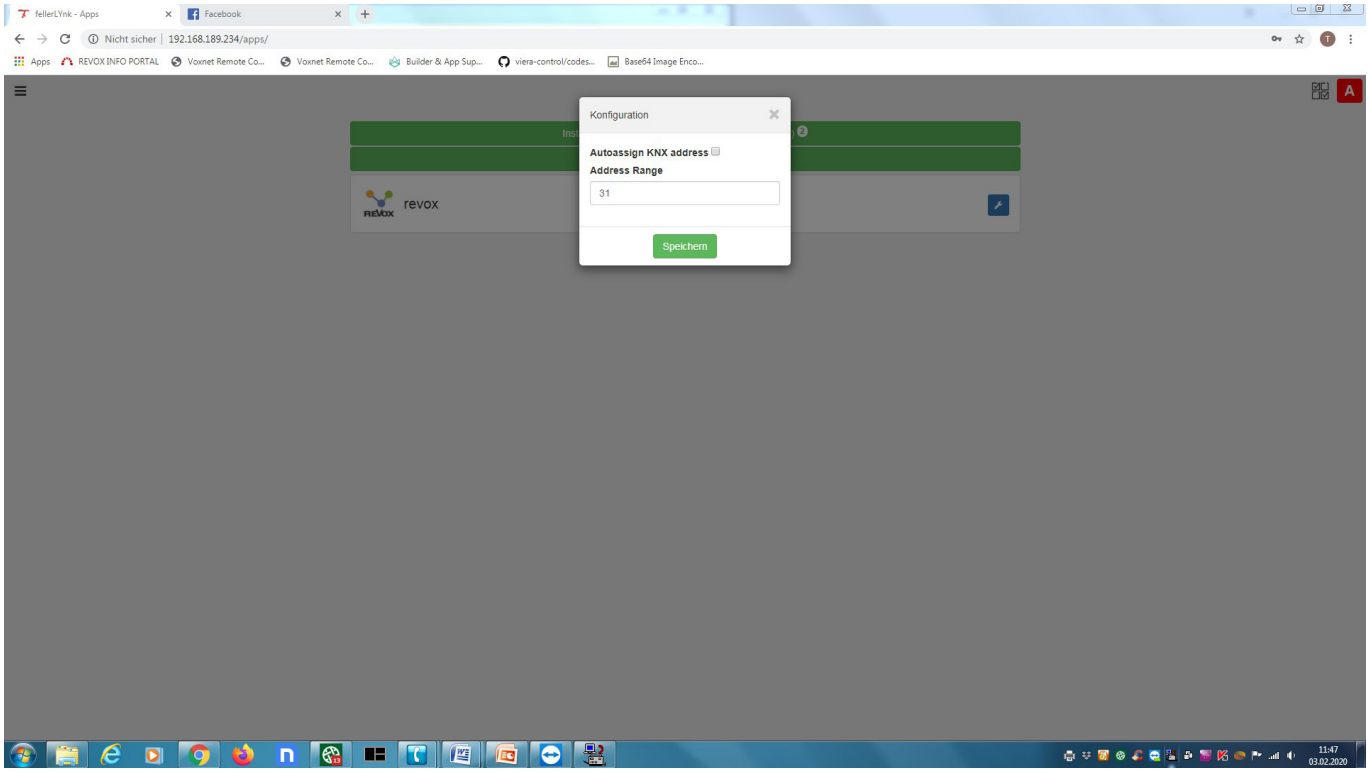
2. Find Revox application in the list of the applications



3. Install Revox application by clicking on  icon
4. Open Revox application from Start page and Change the Objects creation

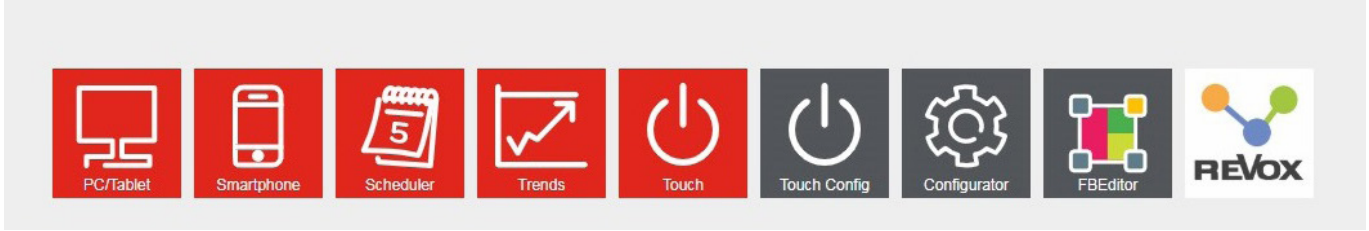
If you do not carry out the following setting, the objects are automatically assigned the group address 31 /./. created.

This takes you to the configuration menu for creating the objects. You can have the addresses created automatically, then the data points are created from the last address created or you select the desired address. Save your entry.

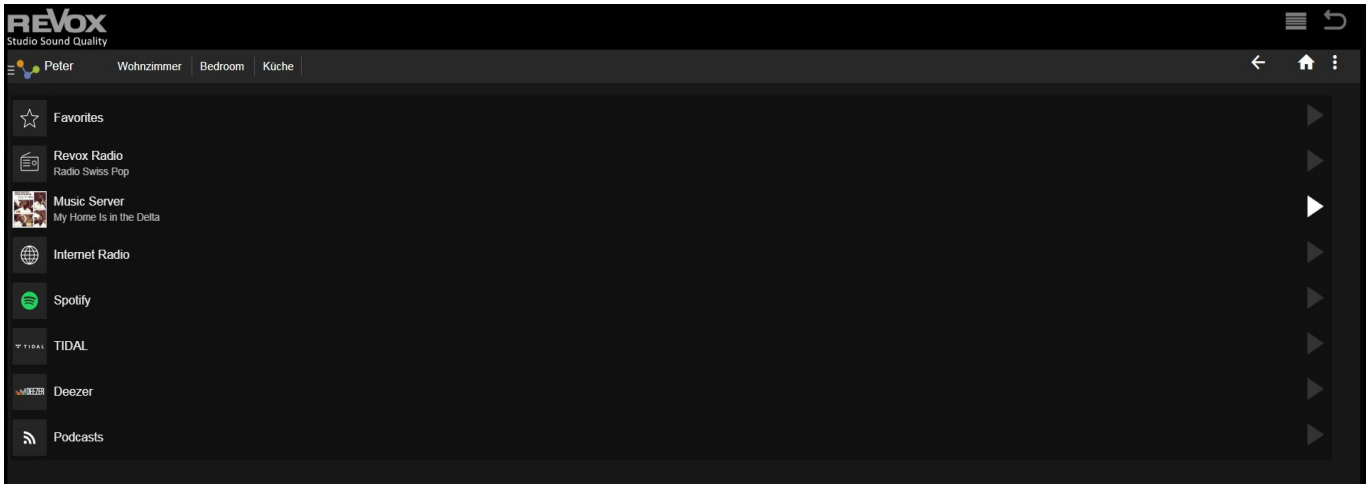


4 Revox application

After you have downloaded the Revox application in the Marketplace, the Revox APP is automatically created.



Use the Revox button to operate the multiuser system. There you can select all users, select sources, control the rooms and create and edit playlists.



After you have created your rooms, you can use the Revox APP to automatically assign the widgets. To do this, go to the Symbol menu in the APP (dashes to the left of the arrow).

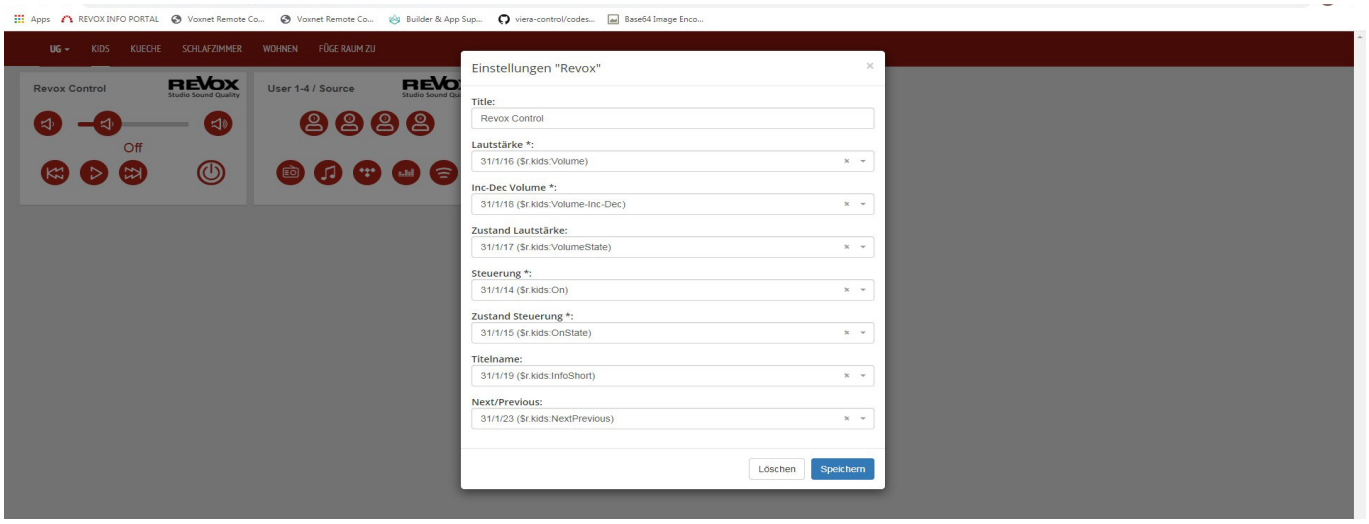
Then a dropdown menu appears in which you can assign the floor, the room and the corresponding amplifier.

5 Inserting the widgets into created rooms

The widget is automatically inserted as described in the chapter “Inserting into created rooms”. If you have a multiuser system with only 4 users, the Revox Control Widget is only inserted once with users 1-4. If you have a system with 8 users, another Revox Control widget with users 5-8 is automatically inserted.

6 Widget data points

The KNX data points generated automatically in the objects are automatically entered in the functions of the widget. If necessary, these can be adapted to your KNX system.



6.1 Objects

Objects are created automatically

After the Revox Multiuser system is connected to the FellerLYnk via the network, the system automatically reads the Synology and creates the corresponding data points for the existing Multiuser room amplifiers.

The data points from group address 31 are created automatically. This can be set as in the point “Change the object layout” before the connection between Multiuser and LYnk has been created. Virtual data points are created with group address 32.

Object functions

The most important functions for your KNX system are created automatically. In detail, these are per amplifier / zone:

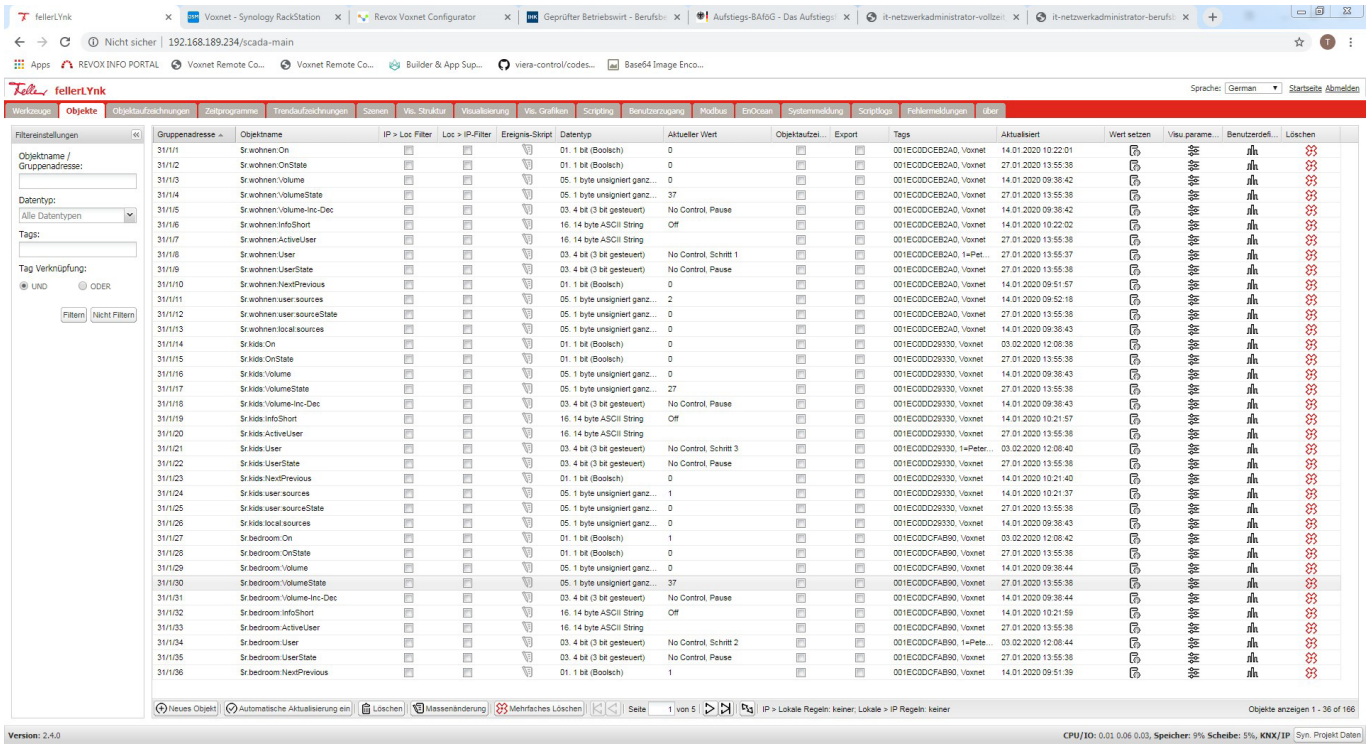
on/off	- 1 bit	switched the amplifier on and off
statue on/off	- 1 bit	give feedback if the amplifier is on or off
volume absolute	- 1 byte	you can give the value for volume
statue volume	- 1 byte	gives the value for volume
volume dimming	- 4 bit (3 bit controlled)	dimming the volume
actual title	- 14 byte	text information for the playing title
active user	- 14 byte	text information for the selected user
user selection	- 4 bit (3 bit controlled)	selects the user
statue user selection	- 4 bit (3 bit controlled)	gives back the selected user number
next/previous	- 1 bit	controlling next or previous
source selection	- 1 byte	select the source with value
statue source selection	- 1 byte	gives back the value for the selected source

local source - 1 byte selects the local sources (aux, spdif, digital)

The commands for are created virtually as long texts with 250 bytes:

Artist, Titel, Track – Info text long - 250 byte

CoverArt - 250 byte



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