

SMART HOME[®]

by hornbach

Multiple RF Home Gateway

User Manual – Z-Wave Overview

Model: WSR 1706 V 1.0

V2.5, Oct 2017



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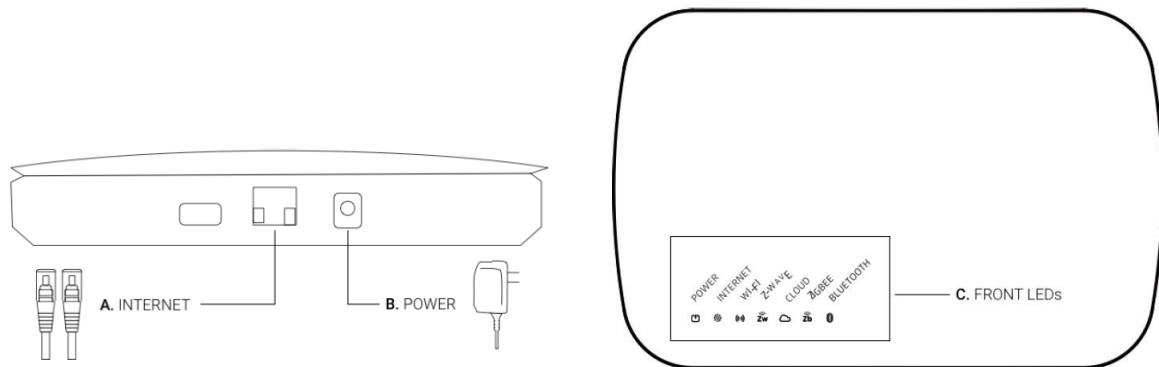
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Installing your Gateway

The Gateway should be located close to your home Internet router. Before installing, please check that you have an available Ethernet port in your router and that there is an available power socket in the desired location.

Note: locate the Gateway at 2 feet distance from your home router or wireless home phones to minimize possible radio interferences.



A. Connect the Gateway to your internet router using the network cable provided.

B. Connect the Gateway to power using the charger provided.

C. The front LEDs will light on while the Gateway is connecting. Wait until the lights on the front of the box are in solid green (BLUETOOTH LED will remain off in normal status). This may take a few minutes.

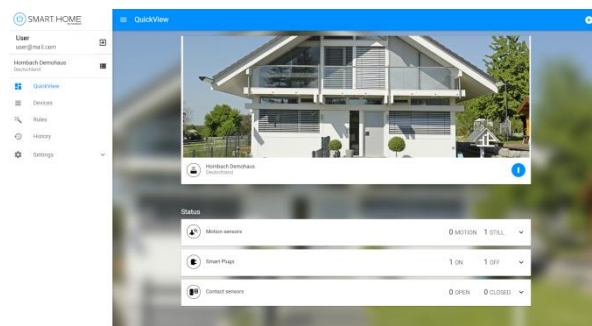
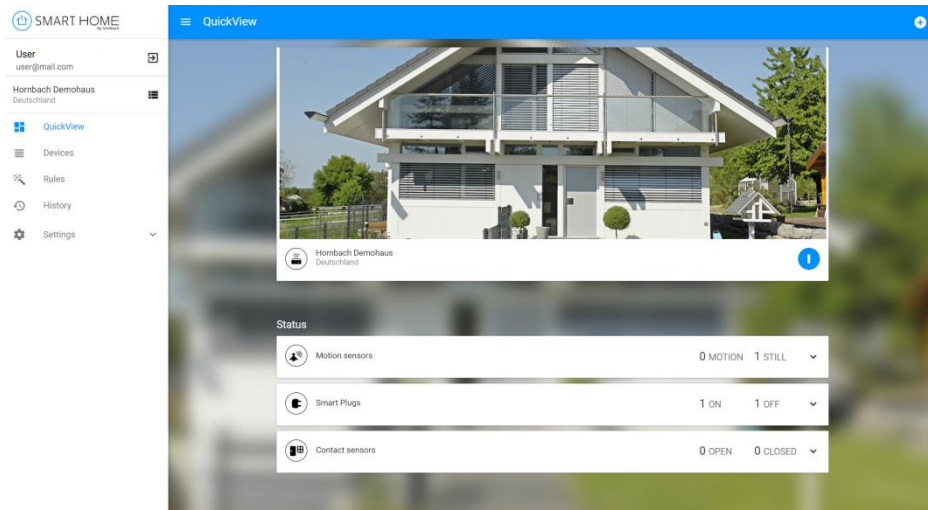
Control your Smart Home

Access the web app <https://shhb.roc-connect.com/#/login> from your browser and control your home using your computer.

Web App

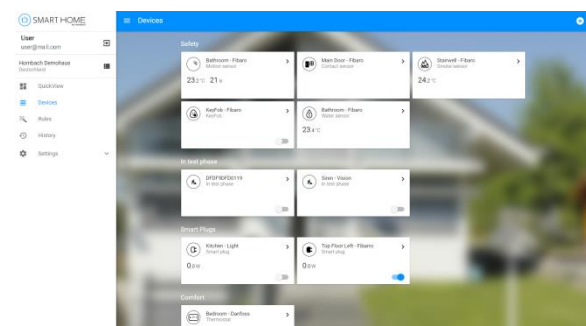
Getting Started

See the logged in user, as well as the Gateway you are currently connected to. Use the menu to access all the available features.



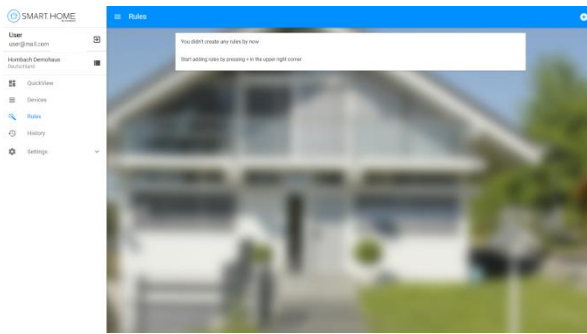
QuickView

See the status of your Gateway and connected devices, and switch between smart modes.



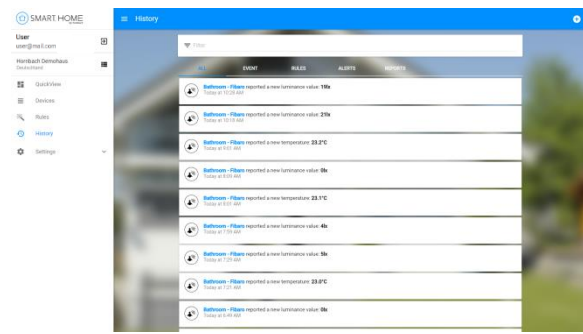
Devices

Control devices in your Smart Home system.



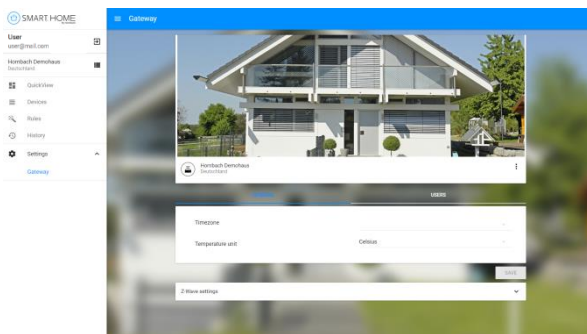
Rules

Set up rules to automate the way your devices work.



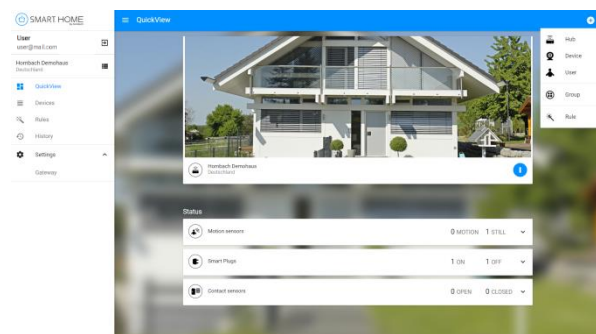
History

Get a list of everything that happened in your Smart Home.



Settings (Gateway)

Edit Gateway settings like name or time zone, and access Z-Wave settings.



Add (+)

The (+) icon in the upper right corner allows you to add more gateways, devices, or rules.

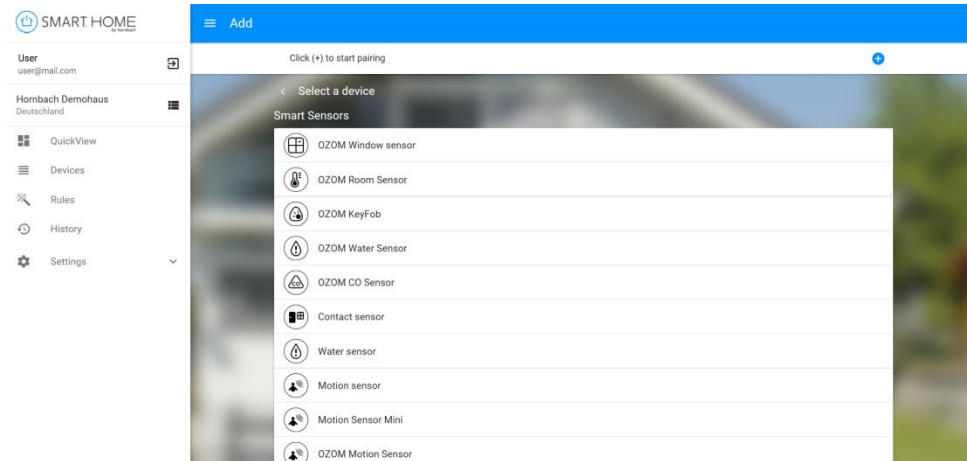
Adding Devices

The Gateway communicates with devices using different communication protocols such as Z-Wave, ZigBee, or Wi-Fi.

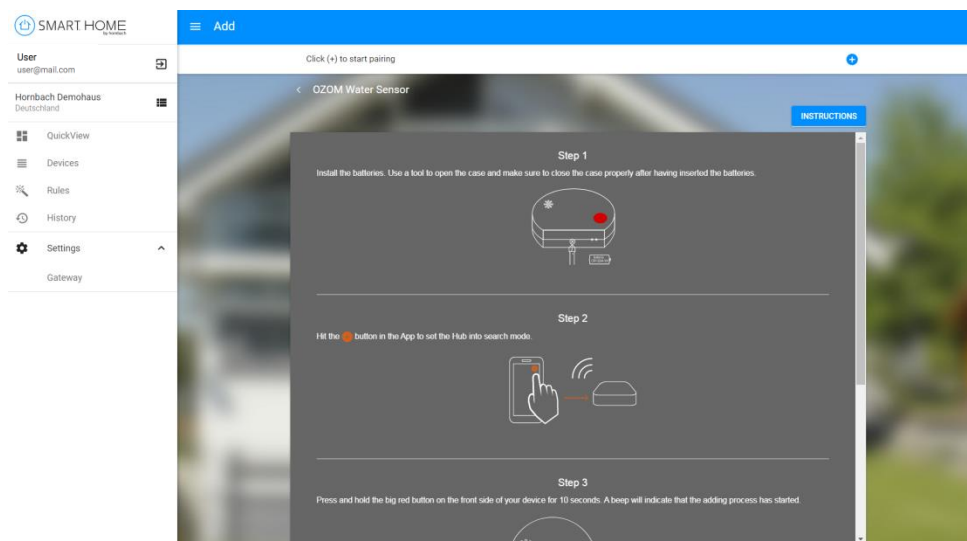
To add a device, please follow these instructions:

- 1) Move the device close to your Gateway during the inclusion process

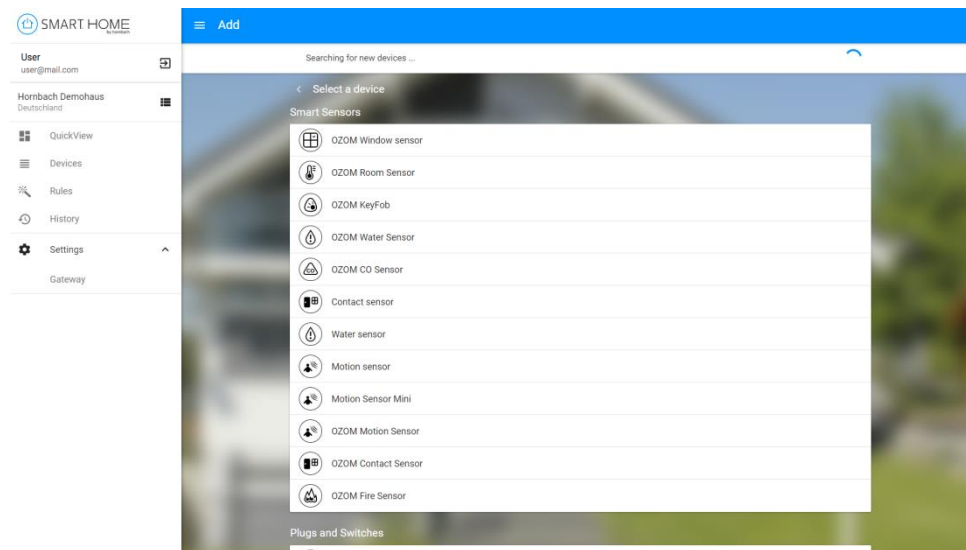
- 2) Follow the manufacturer's instructions to prepare the device to join the network (inclusion mode). Note: If the device has already joined a different network, follow the manufacturer's instructions to reset it before you add it to your system.
- 3) From one of the main pages (QuickView, Devices, Rules, History) press the (+) icon in the upper right corner, choose "Device" and start inclusion mode.



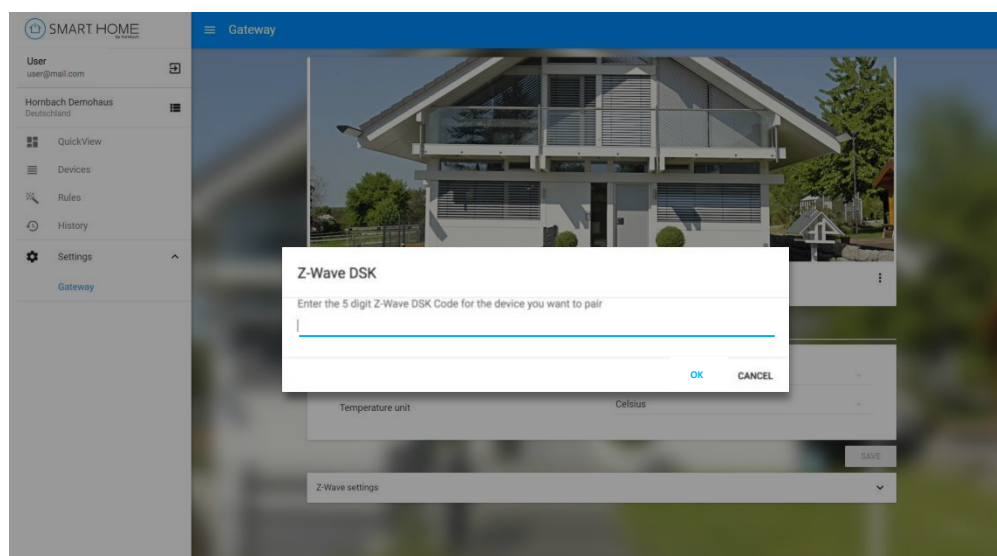
- 4) If needed, tap a device to show its inclusion instructions



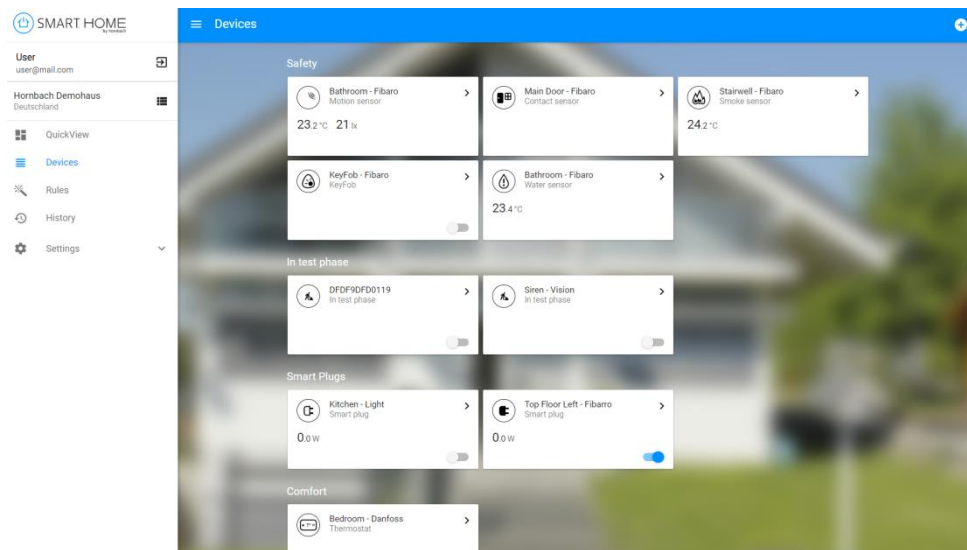
5) Your Gateway will then automatically find and add prepared devices



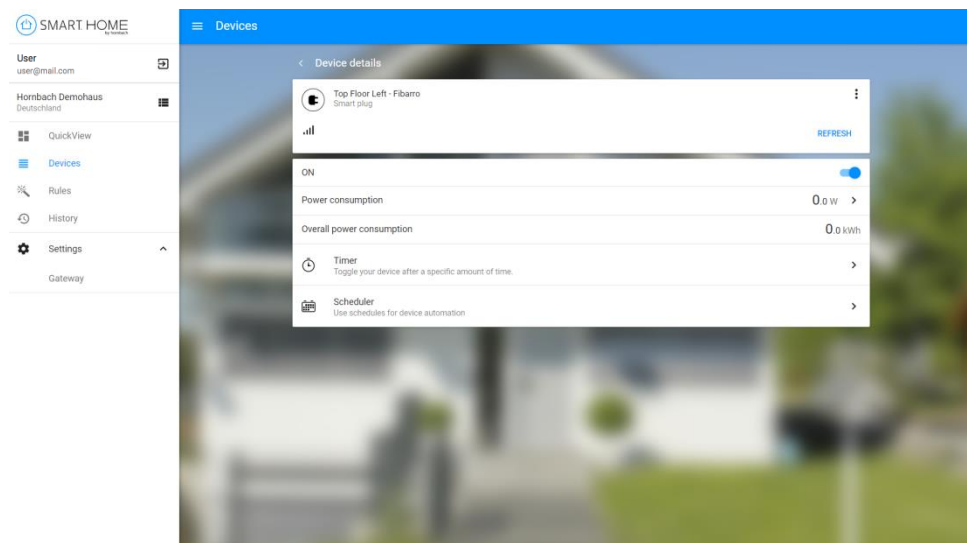
6) Enter DSK code if necessary



7) Once the device is added, navigate to “Devices” to control it.

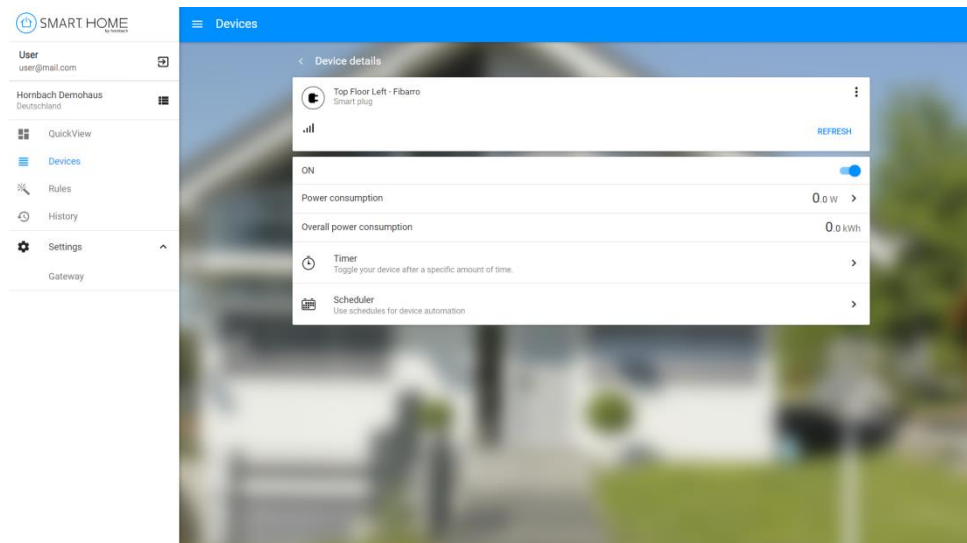


8) Open device details by pressing the arrow in the upper right corner of a device. Device details allow you to rename your devices and send commands to the device.



Controlling Devices

Devices can be controlled from the device list and device details.



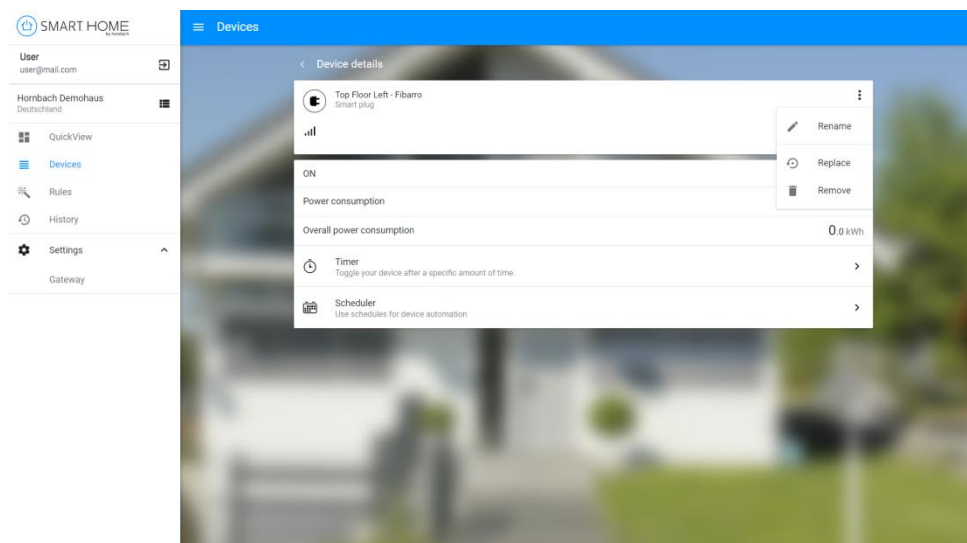
All available device functions will show up here. By pressing “Refresh” you can manually update the device data.

The 3-dots icon in the upper right corner allows you to open a menu with further actions, like renaming, replacing, or removing a device.

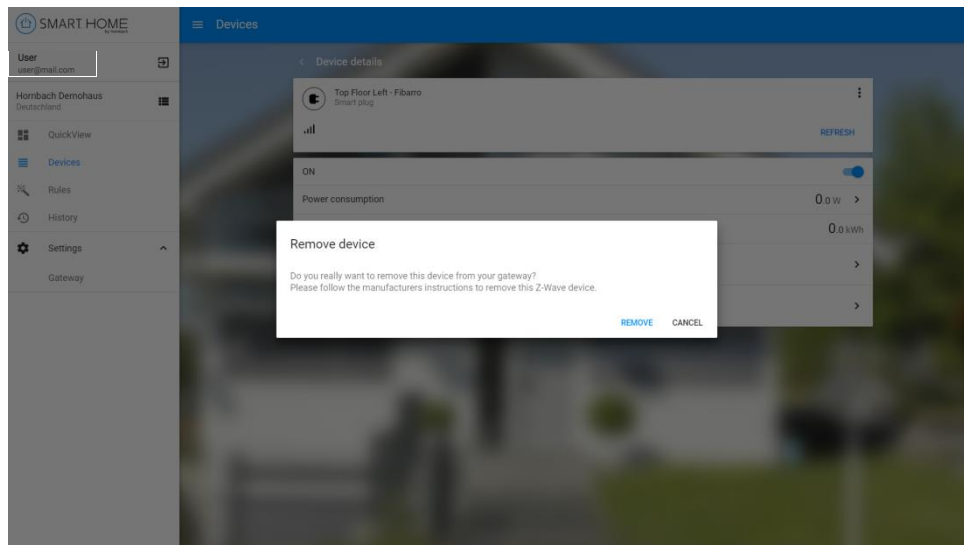
Removing Devices

Follow these steps to remove devices from your Smart Home. You will no longer be able to use and control them once they are removed.

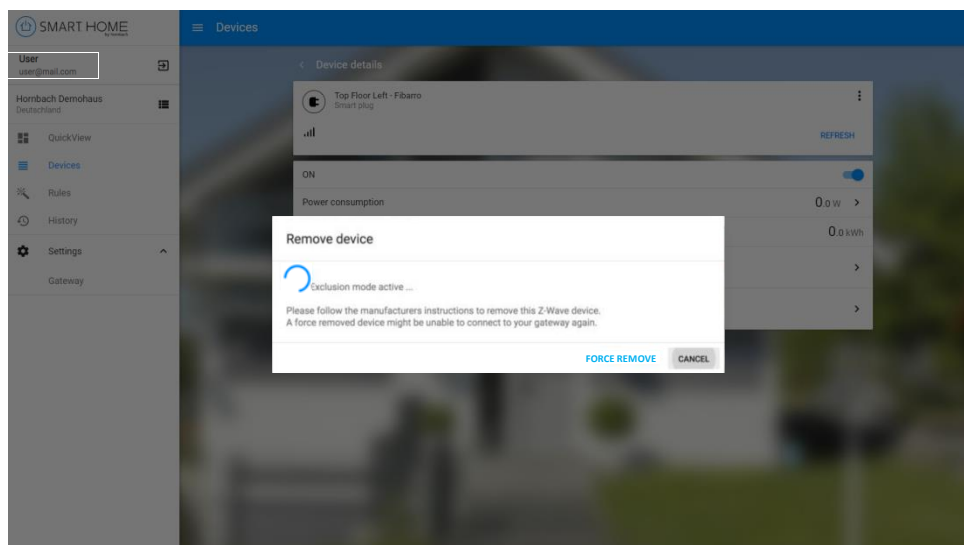
- 1) Locate and press the menu button in device details and select “Remove”.



- 2) Confirm that you want to remove the device.



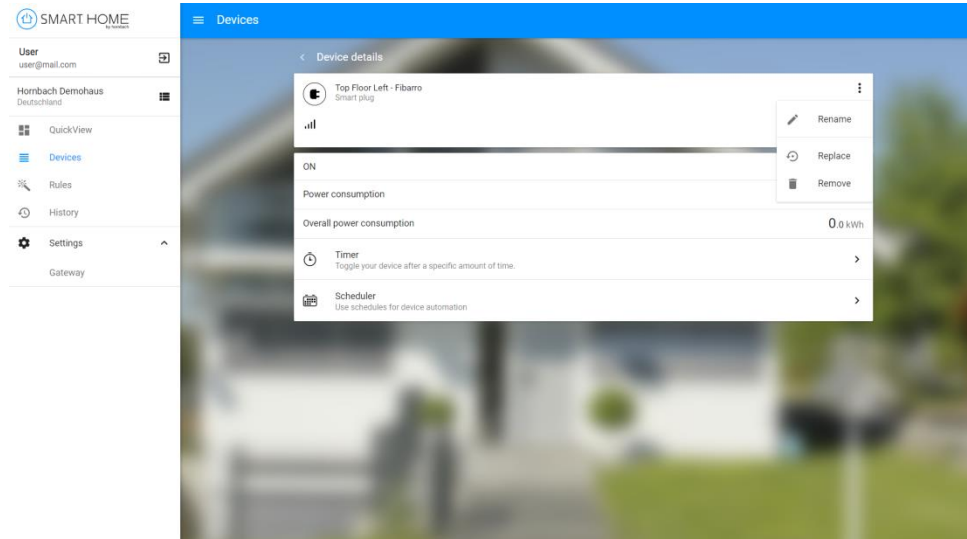
- 3) Follow the device manufacturer's instructions to remove this Z-Wave device. If you don't have access to this device anymore (or removal fails), "Force remove" will finally remove this device from your Gateway. A force removed device might be unable to connect to your Gateway again.



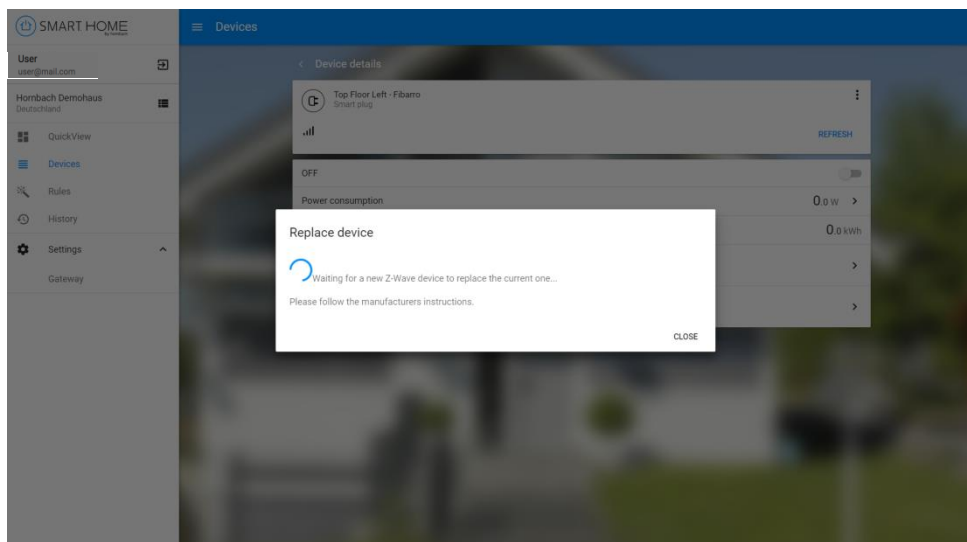
Replacing Devices

Follow these steps to replace devices in your Smart Home. Therefore, the old (not connected) device will be replaced with a new one.

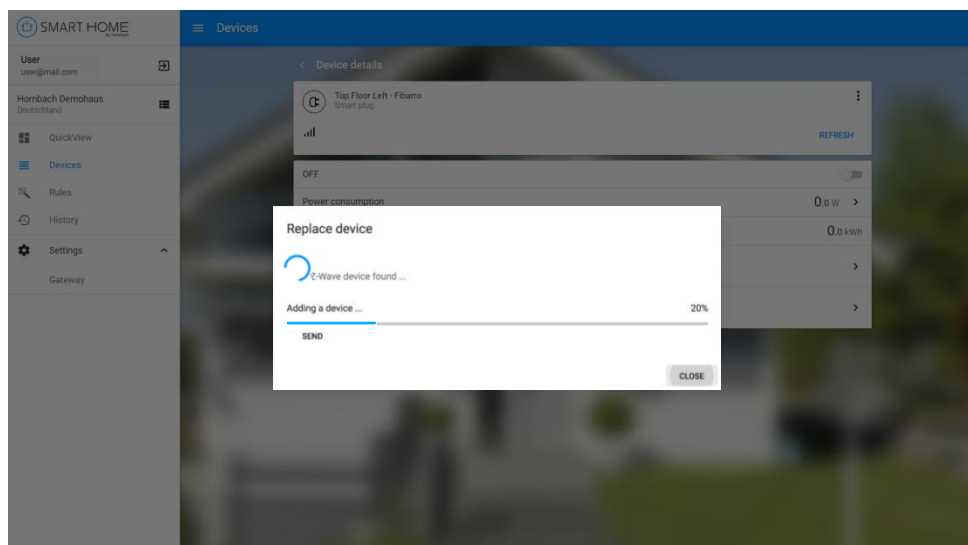
- 1) Locate and press the menu button in device details and select “Replace”.



- 2) Follow the manufacturer's instructions to prepare the new device to join the network.



- 3) The Gateway will then automatically find and add the new device, replacing the old one.



Additional Z-Wave Functionalities

Z-Wave is an interoperable two-way RF mesh networking technology designed for use with a Z-Wave Gateway / Controller and other Z-Wave enabled devices.

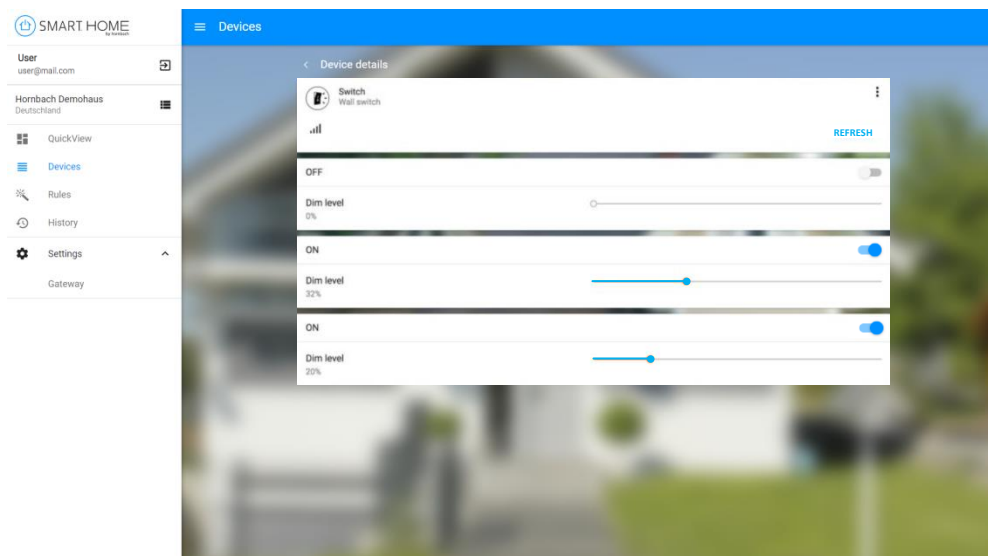
This product can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

You can access all Z-Wave functionalities on your Gateway using our Web App.

Controlling multichannel Z-Wave devices

Z-Wave multi-function devices implement each individual functionality as a separate Multi Channel End Point. For example, a power strip device may implement five End Points; one for each output.

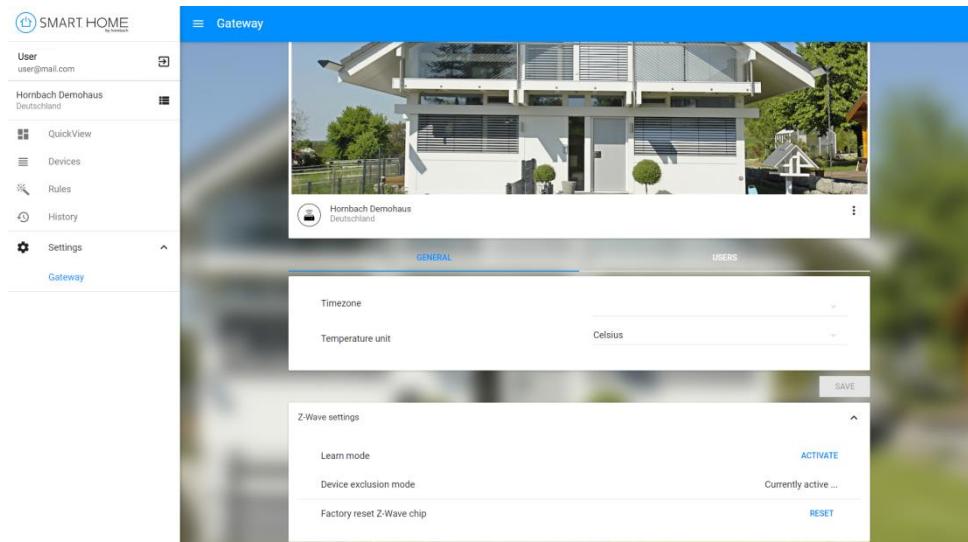
In the Web App, you're able to control and get the state of each channel in device details. Each channel will be represented as a separate section.



Removing Z-Wave Devices

Follow these steps to remove a Z-Wave device from your Z-Wave network. This will allow you to add the Z-Wave device to a different Z-Wave network.

- 1) Open gateway settings in your Web App and activate Device exclusion mode (Z-Wave Settings).

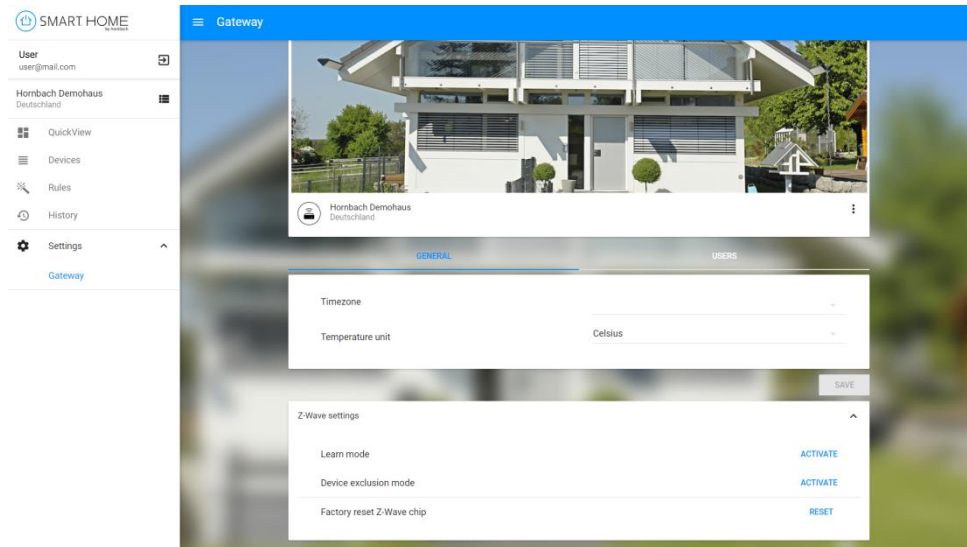


- 2) Follow the manufacturer's instructions to remove the according Z-Wave device.

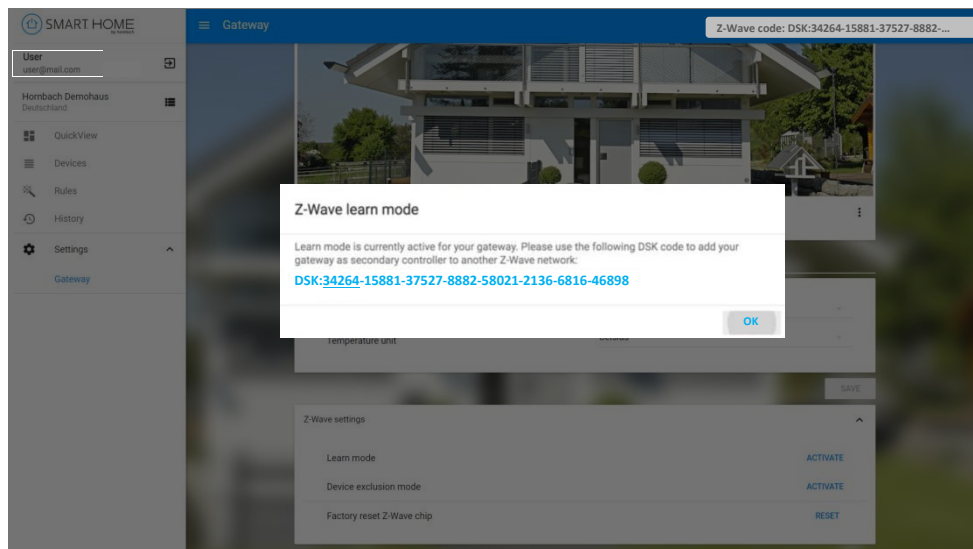
Learn mode

The Learn Mode is a Z-Wave functionality that will allow your controller to join another Z-Wave network.

- 1) Make sure, all Z-Wave devices are removed from the Gateway.
- 2) Put the Primary controller of the desired Z-Wave network into Inclusion Mode (see manufacturer's instructions for details).
- 3) Open gateway settings in your Web App and activate learn mode (Z-Wave Settings).



4) Once Learn Mode is activated, locate the DSK code in the right part of the title bar.

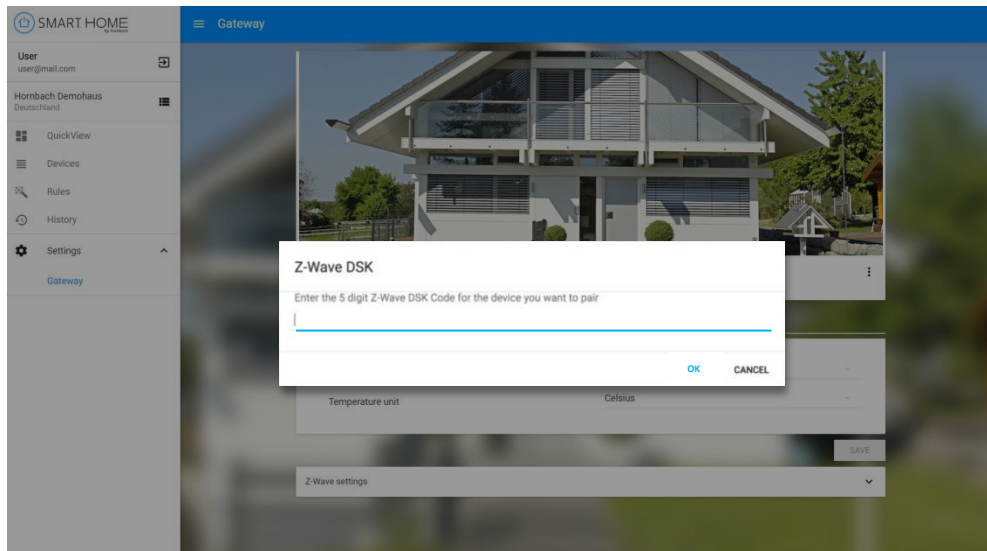


5) It can take some time to receive all the network information and load all the Z-Wave devices.

Copy network information

Initiate a replication of network information from your Gateway to another controller.

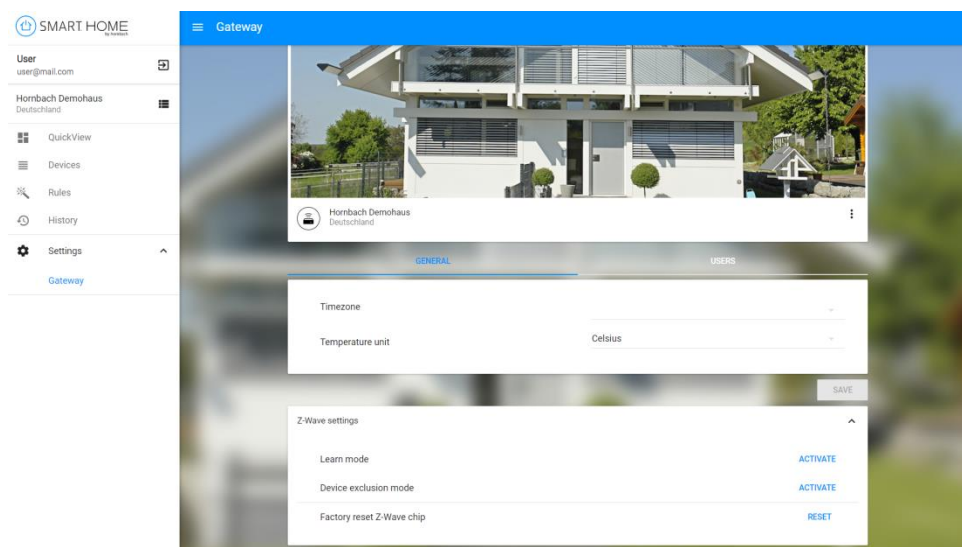
- 1) Start the add device process by following the steps 1 to 3 in Adding Devices.
- 2) Follow the manufacturer's instructions of the other controller to put it into learn mode.
- 3) Enter DSK code if necessary



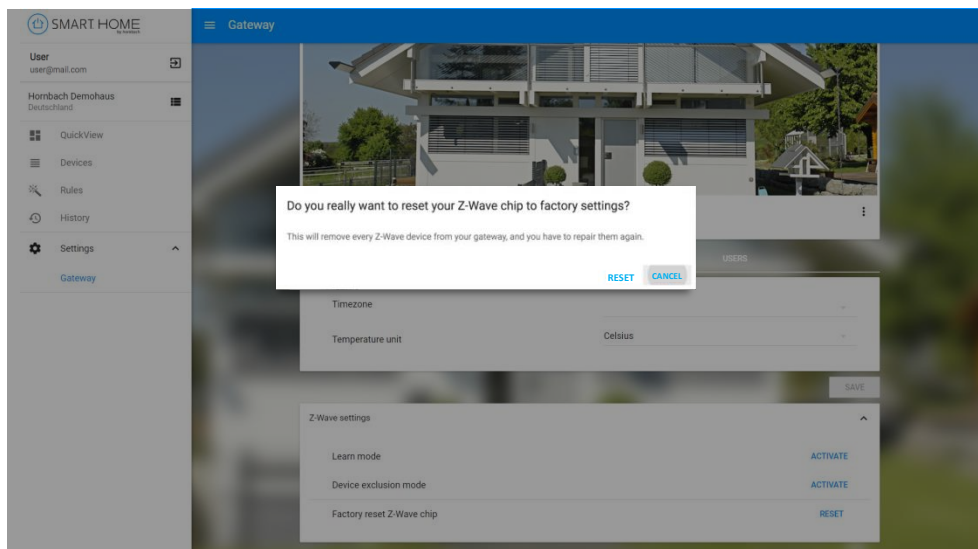
Reset controller

Factory resets the Z-Wave controller.

- 1) Open gateway settings in your Web App and press "Reset" (Z-Wave Settings).



- 2) Confirm the dialog. This will perform a factory reset and remove every Z-Wave device from your Gateway (you have to repair them again).



Note: 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.

Command Class support

Basic Command Class Support

The Gateway does not map the Basic Command Class to any functionality. It ignores Basic Get requests.

Basic CC is supported but the device won't perform any further action upon receiving any commands of such class.

Association Command Class Support

The Gateway supports Association Command Class. It has one association group ("Lifeline" group), only one device can be associated to this group. The Gateway will send reset notifications to the associated device when the Gateway is factory reset.

Security Command Class Support

Your Gateway is a security-enabled device. When a security-enabled Z-Wave device is added to the Gateway's network, its secure communication will be 128-bit AES encrypted.

Command classes

Supported command classes

Application Status Command Class, Version 1



Association Command Class, Version 2
Association Group Information Command Class, Version 1
CRC-16 Encapsulation Command Class, Version 1
Device Reset Locally Command Class, Version 1
Inclusion Controller Command Class, Version 1
Manufacturer Specific Command Class, Version 1 (Secure only)
Powerlevel Command Class, Version 1 (Secure only)
Security 0 Command Class, Version 1
Security 2 Command Class, Version 1
Supervision Command Class, Version 1
Transport Service Command Class, Version 2
Version Command Class, Version 2 (Secure only)
Z-Wave Plus Info Command Class, Version 2

Controlled command classes

Association Command Class, Version 2
Basic Command Class, Version 1
Configuration Command Class, Version 1
CRC-16 Encapsulation Command Class, Version 1
Door Lock Command Class, Version 1
Meter Command Class, Version 1
Multi Channel Command Class, Version 4
Multi Channel Association Command Class, Version 3
Security 0 Command Class, Version 1
Security 2 Command Class, Version 1
Thermostat Mode Command Class, Version 1
Thermostat Setpoint Command Class, Version 1
Wake Up Command Class, Version 2