

SMStewart

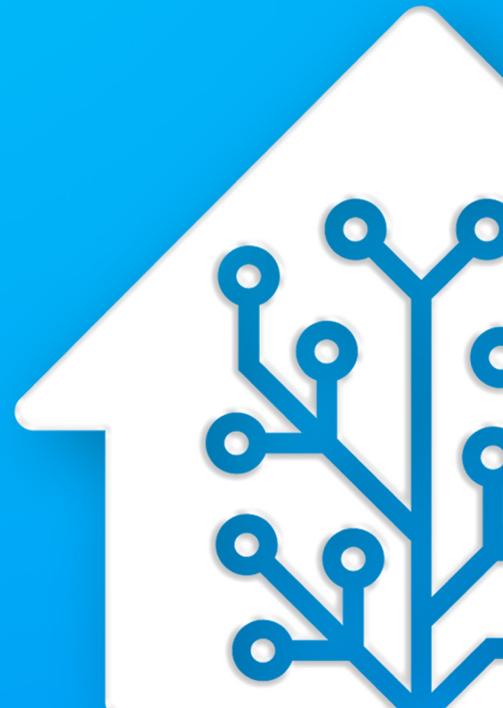


User Manual

Table of contents

- 02  Setup
- 06  Zigbee configuration
- 10  Local Tuya
- 15  Remote access (VPN)
- 19  User Interface
- 23  Automation
- 26  User management
- 29  Language
- 31  Camera setup
- 35  Update / backup

Videosec[®]





Videosec

SMStewart

User manual



Setup

Setup guide for first use, latest software updates and installation.



Videosec[®]

01 STEP

Connect

Connect the power and internet cable to the device. Bootup can take multiple minutes and after powering on, the device reboots once as well. We recommend waiting a few minutes when booting up the device.



02 STEP

User Interface

Type in `http://homeassistant.local:8123` to any browser to access the web interface. After this wait for about 2 minutes to make sure the whole system booted up properly.

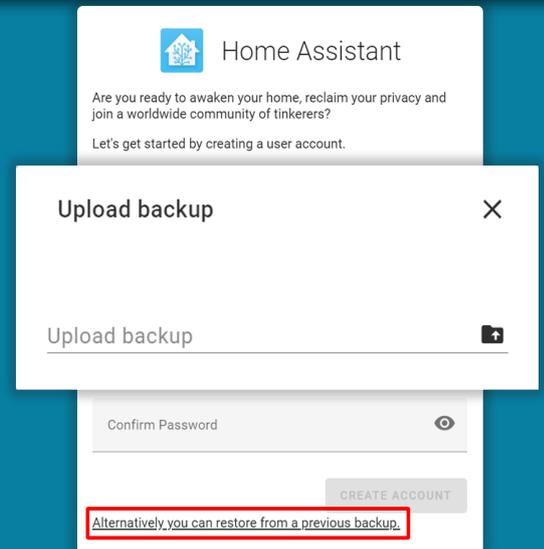


03 STEP

Restore

In the bottom row there is a link called "Alternatively you can restore from a previous backup". After clicking it we're prompted to upload a .zip file containing the default configurations.

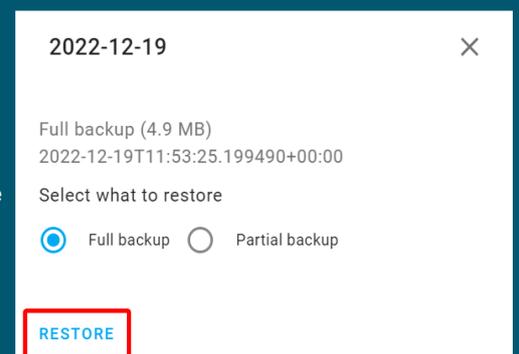
(Can be downloaded from our site)



04 STEP

Full backup

On the pop-up window we should just click on the "Restore" button. This will update the system and install the custom libraries for zigbee devices. The process can take multiple minutes and the device will be unresponsive in the mean time. **DO NOT UNPLUG OR RESTART THE DEVICE** while its updating! Approx. after 10 minutes the login page will be available after refreshing the browser.

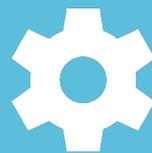


05

Settings

STEP

In the bottom left corner go to settings (third from the bottom)



Settings

06

Add-ons

STEP

Choose the add-ons option, from these we will installing our zigbee controller. This service is device specific and uses external sources for its setup, thats why it has to be installed manually.



Add-ons

07

New Add-on

STEP

In the bottom right corner there is a button to install new add-ons. Using these we can extend our devices capabilities.



ADD-ON STORE

08

Mosquitto broker

STEP

Search for the "Mosquitto broker" addon. and after clicking it press the install button.



Mosquitto broker
An Open Source MQTT broker

09 STEP

Restart

After the installation is completed unplug the device and plug it back in. This reloads all the configurations of the device



10 STEP

Zigbee2mqtt

Test if the zigbee configurations are working properly by clicking on “Zigbee2MQTT Edge” in the sidebar. If everything works correctly the user interface for zigbee devices should load.



Zigbee2MQTT Edge

11 STEP

Settings/Devices

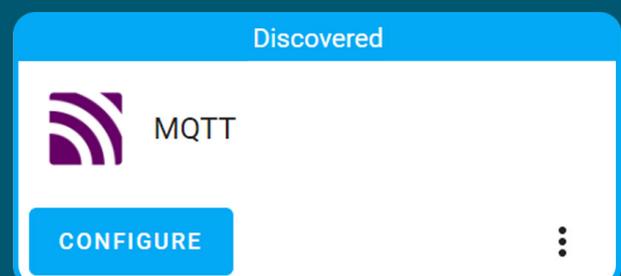
In the bottom right corner go back to settings and then choose “Devices & Services”.



12 STEP

Configuration

In the menu a “discovered” option for MQTT should appear. Click on Configure and then submit and finish. After this the device is ready for work.





SMStewart

User manual



Zigbee settings

Adding, Editing, and controlling Zigbee devices



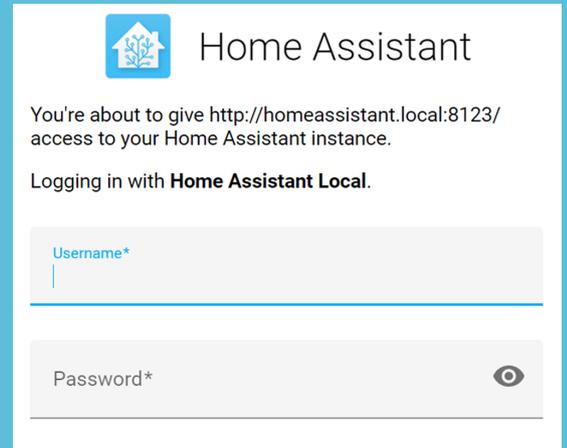
Videosec[®]

01 STEP

Login

The interface can be reached with a PC on the same network as the SMStewart. In a browser going to <http://homeassistant.local:8123/>

Default login credentials are: "admin" & "123456"



The screenshot shows the Home Assistant login interface. At the top left is the Home Assistant logo (a house with a plant) and the text "Home Assistant". Below this, a message reads: "You're about to give <http://homeassistant.local:8123/> access to your Home Assistant instance." Underneath, it says "Logging in with Home Assistant Local." There are two input fields: "Username*" and "Password*", both with asterisks indicating they are required. The password field has an eye icon to toggle visibility.

02 STEP

Zigbee2MQTT

On the sidebar choose "Zigbee2MQTT Edge" to reach the zigbee management interface.



03 STEP

Permit join (All)

Start pairing mode by clicking "Permit join All" on the top bar. This will connect all devices in pairing mode for the next 4 minutes (count-down on the button)

Set our zigbee devices to pairing mode and it should appear in the management interface.



04 STEP

Rename Device

On the right of the new device there should be a blue edit button. we can change the generated name of the device with this.

Move the "Update Home Assistant entity ID" slider so that it updates in the whole system.



05 Settings

In the bottom left corner go to settings (third from the bottom)



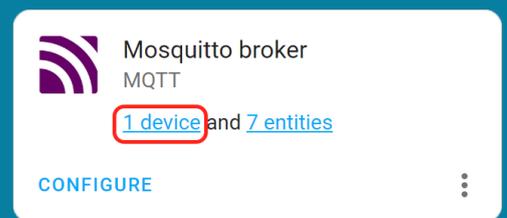
06 Devices

Choose the Devices and services options to see all connected services in the interface.



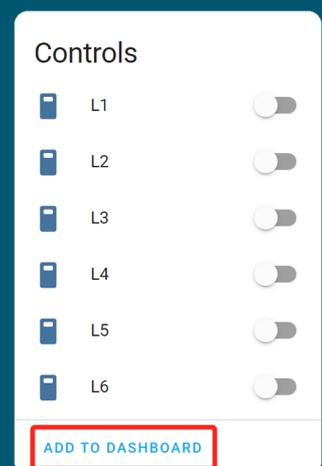
07 Mosquitto broker

Click on XX-device to see all connected zig-
bee devices



08 Add to User Interface

Choose a device from the list and click on the
“Add to dashboard” button so it would appear
in the default User Interface.





SMStewart

User manual



Local Tuya

Instructions to connect Wifi Tuya devices for local control



Videosec[®]

01 STEP

Setup on Mobile

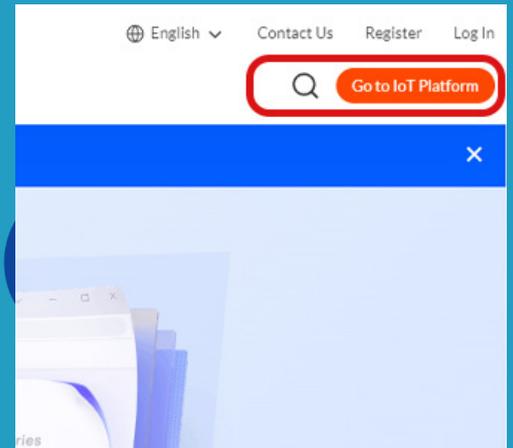
Add all our Tuya Wifi devices to a central tuya account before starting the process. (We will make a developer account with the same email address so pay attention to the user credentials)



02 STEP

Tuya.com

Go to tuya.com and in the top right corner click on "Go to IoT Platform" button. The button will redirect to a registration form

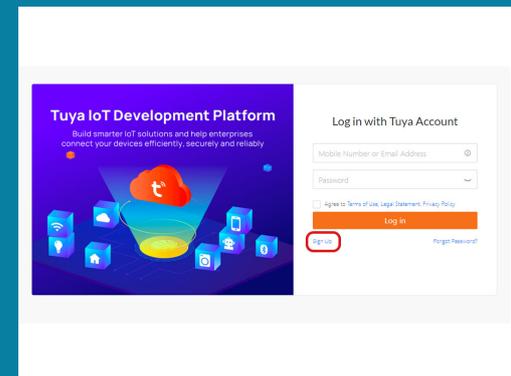


Registration

03 STEP

Register with the same email as the tuya account of the administrator in the tuya application. This is a separate account than the default tuya one for development and advanced features.

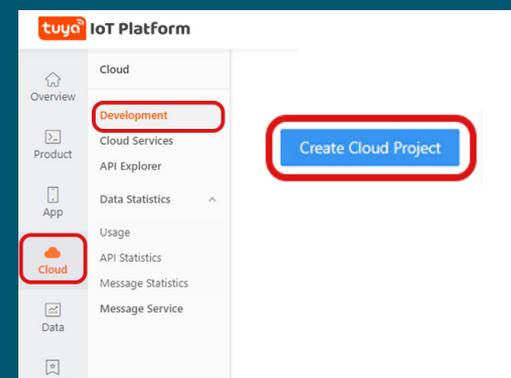
The account is only used to get the data of Tuya devices connected to the app.



04 STEP

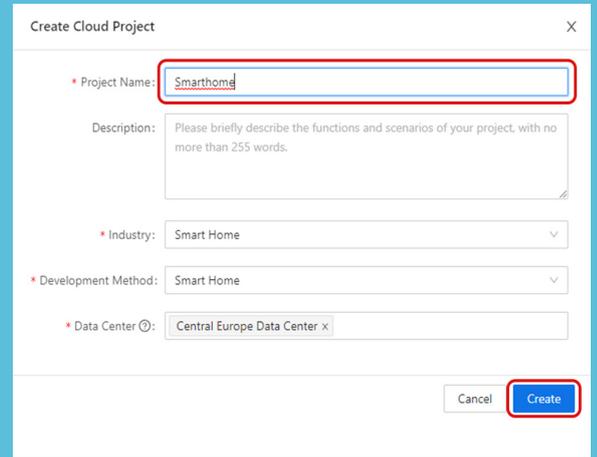
Log in

After logging skip the tutorial and the introduction. In the left menu pick cloud and Development. On the right there is a "Create Cloud Project" button that will create a project for our home.



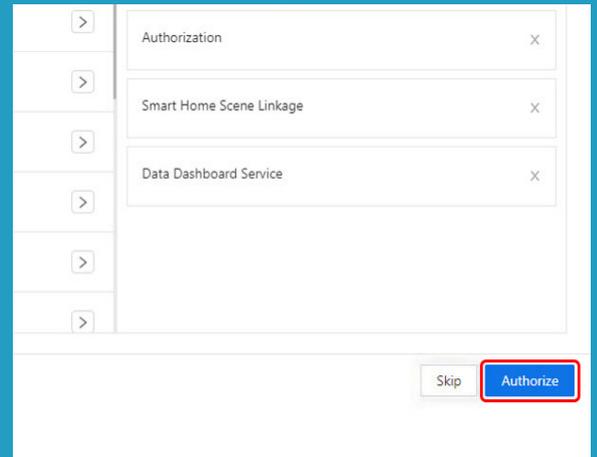
05 STEP New Project

In the pop up window name our project, and leave the description empty (optional) than set the “Industry” and the “Development method” to smart-home, and pick the closest data center to our location (for us thats central europe)



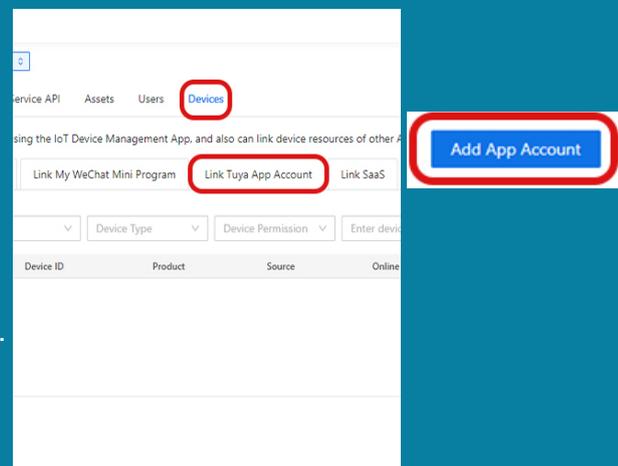
06 STEP Basic settings

Just go through the setup wizard and leave everything at default (don't skip anything)



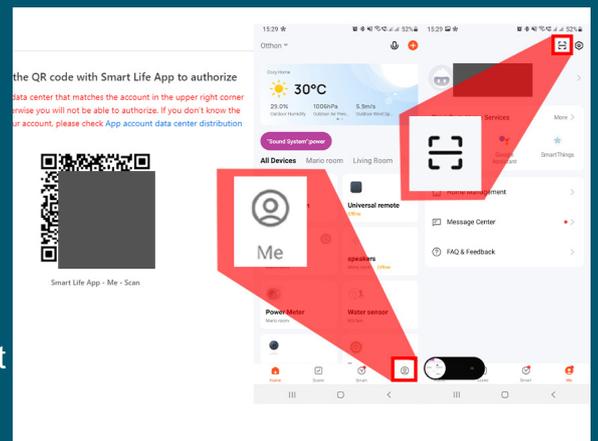
07 STEP Connect to app 1

In the top row pick the “Devices “ option and under it the “Link Tuya App Account”. There will be a blue “Add App Account” button. This will show a QR code that we can read with the tuyaa app.



08 STEP Connect to app 2

In the app under Me(right bottom corner)/ Scan Icon (top right corner) the QR code reader should appear. Read the QR code from the website using this and the accounts should get connected.

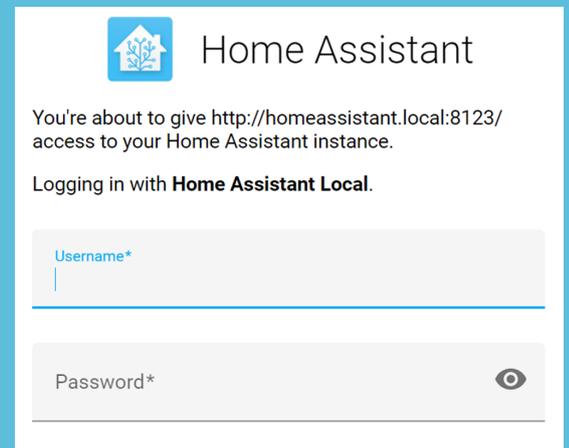


09 STEP

Log in in a new tab

The interface can be reached with a PC on the same network as the SMStewart. In a browser going to `http://homeassistant.local:8123/`

Default login credentials are: "admin" & "123456"



10 STEP

Settings

In the bottom left corner go to settings (third from the bottom)



11 STEP

Devices

Choose the Devices and services options to see all connected services in the interface.



12 STEP

New Integration

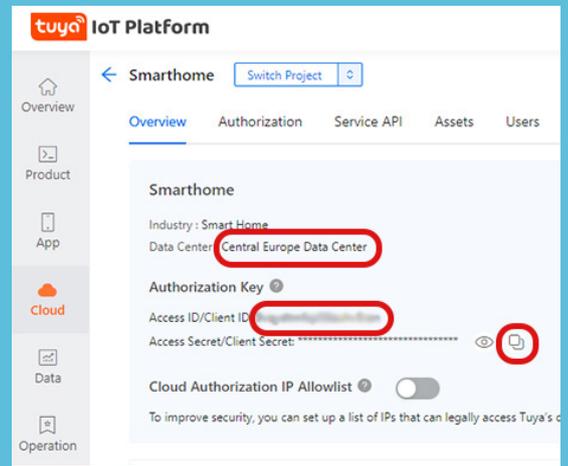
In the bottom right corner there is an "ADD INTEGRATION" button. After clicking it search for the "localTuya" integration and add it. This should open a form that requires a couple of datapoints.

+ ADD INTEGRATION

13 STEP

Client ID / Secret

The “Client ID” can be found in the Overview tab of the tuya IoT dashboard. The “Client Secret” is under it and can be copied with the copy button. Paste these into their corresponding fields in the popup window of homeassistant

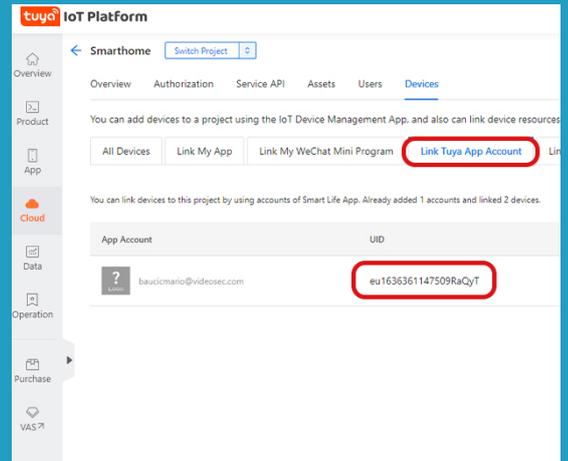


14 STEP

User ID

The User ID can be copied from the Devices/Link Tuya App Account tab. The UID column contains the corresponding UserIDs for accounts.

After providing this information the new integration of localtuya should appear in the devices and services dashboard. We can close the Tuya IoT dashboard after this.

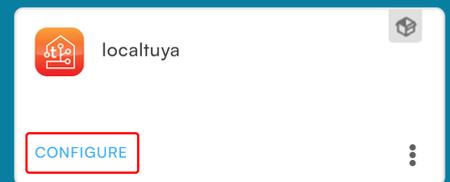


15 STEP

Add new Device

Click the “CONFIGURE” button under the localtuya integration. If we have multiple device a list will pop up with their IP addresses and their names in the tuya app. Choose the device we want to set up and click on the submit button on the popup

(in case they dont work, make sure they are on the same network as the SMStewart and reboot the device)

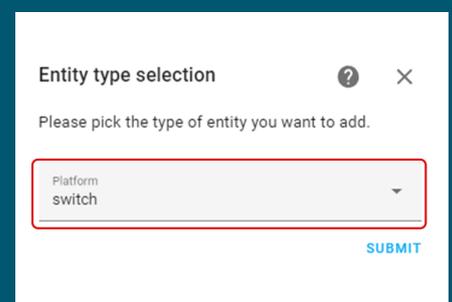


16 STEP

Setup Device

We need to configure the functions of our new device. These can be chosen from a dropdown menu (for instance with a relay switch we need to choose switch)

In case of videosec devices a spreadsheet can be found below and on the device support page of smstewart.



17 STEP

Function setup

After choosing our function we need to assign an ID for it (for example: 1 (value: false)). If it has more than one function (for instance power monitoring) than we also need to configure their IDs as well. After finishing we can finish the process of the current function by clicking submit.

If needed we can use the data found in the value:*** variable. In case of videosec devices a spreadsheet can be found below and on the device support page of smstewart.

Configure entity

Please fill out the details for an entity with type switch. All settings except for ID can be changed from the Options page later.

ID
1 (value: False)

Friendly name
Ete6 csatoma

Current

Current Consumption

Voltage

SUBMIT

18 STEP

More than 1 function

If the device has more than one function (for instance a 6 channel relay) than we need to repeat the previous steps for each function. For this we need to remove the checkmark from "Do not add any more entities" box before choosing and entering each function. When we added all the functions we wish to use, we can leave the checkmark in or if there aren't any left the adding will finish automatically.

*with some devices there are IDs that can be ignored

Entity type selection

Please pick the type of entity you want to add.

Platform switch
switch

Do not add any more entities

SUBMIT

19 STEP

Opening the device

After clicking on XX-device under Localtuya integratio, the system will display a list of all the localtuya devices that have been connected.

localtuya

1 device and 2 entities

CONFIGURE

20 STEP

Add to dashboard

On the new window the device can be tested, than after that it can be added to the main dashboard with the "add to dashboard" button.

Controls

L1

L2

L3

L4

L5

L6

ADD TO DASHBOARD



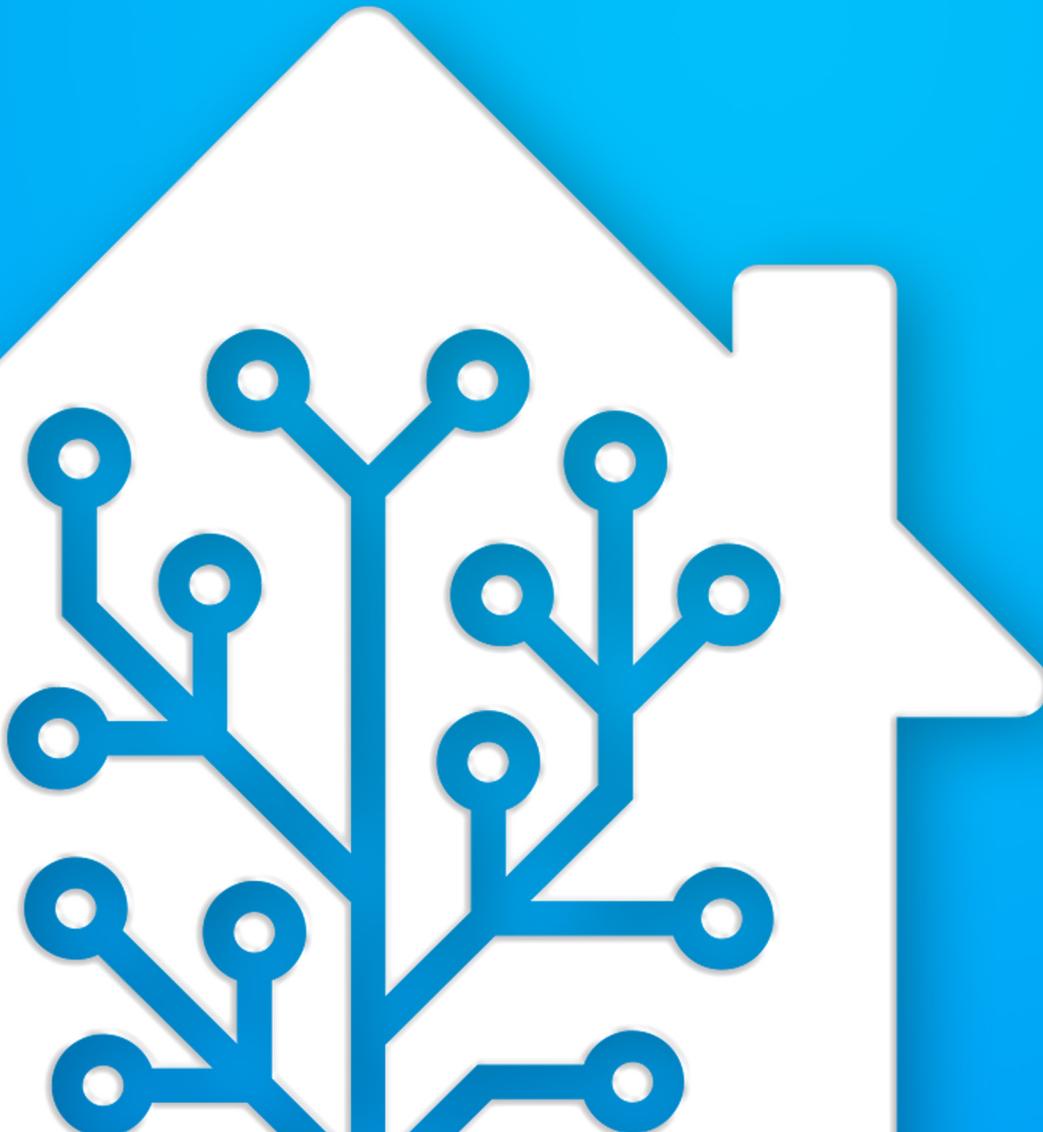
SMStewart

User manual



Remote access (VPN)

VPN Setup, use and installation,
for remote access.



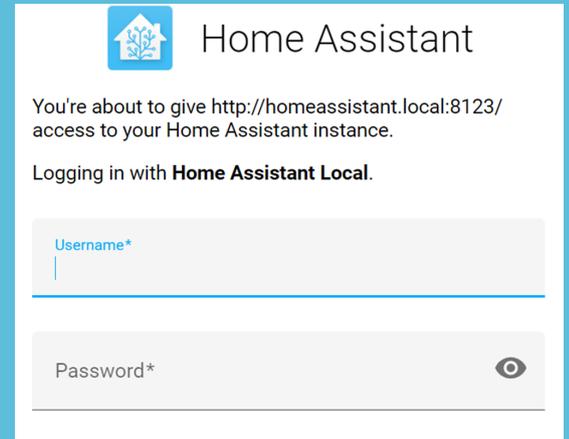
Videosec[®]

01 STEP

Login

The interface can be reached with a PC on the same network as the SMStewart. In a browser going to <http://homeassistant.local:8123/>

Default login credentials are: "admin" & "123456"



The screenshot shows the Home Assistant login interface. At the top left is the Home Assistant logo (a house with a plant) and the text "Home Assistant". Below this, a message reads: "You're about to give <http://homeassistant.local:8123/> access to your Home Assistant instance." Underneath, it says "Logging in with **Home Assistant Local**." There are two input fields: "Username*" and "Password*", with a toggle icon for password visibility.

02 STEP

Settings

In the bottom left corner go to settings (third from the bottom)



Settings

03 STEP

Add-ons

Choose the add-ons option, from these we will installing our zigbee controller. This service is device specific and uses external sources for its setup, thats why it has to be installed manually.

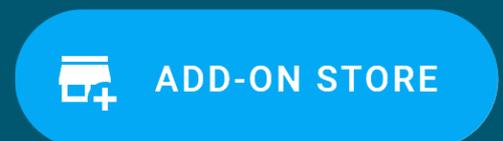


Add-ons

04 STEP

Add-on store

In the bottom right corner there is a button to install new add-ons. Using these we can extend our devices capabilities.



05 STEP

Tailscale

Search for the “Tailscale” addon, and after clicking it press the install button.



Tailscale
Zero config VPN for building secure networks

06 STEP

After installation

After installation a start button will appear in the install buttons place, pressing this will launch the application. It is also recommended to check the watchdog switch as well.

INSTALL

07 STEP

Web UI

After launching the add-on we can access the user interface using the “Open Web UI” button.

OPEN WEB UI

08 STEP

Log in

In the displayed window click on the “log in” button. This will take you to the registration page.



Log in

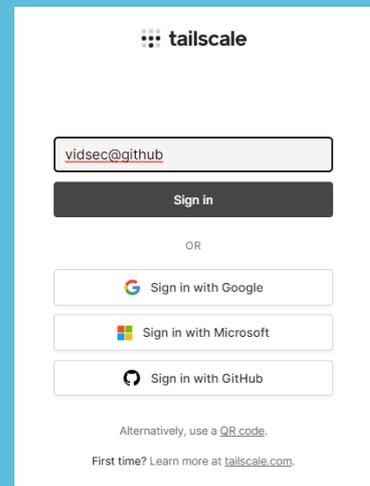
Get started by logging in to your Tailscale network
Or, learn more at tailscale.com.

Log In

09 STEP

Creating account

Using the existing options log into Tailscale. this will display the Control panel of the VPN. This displays all the connected devices to the VPN network.



10 STEP

App installation

Install the tailscale application on the phone we wish to remotely access the SMStewart from. Log in to the app using THE SAME account that was used on the SMStewart.

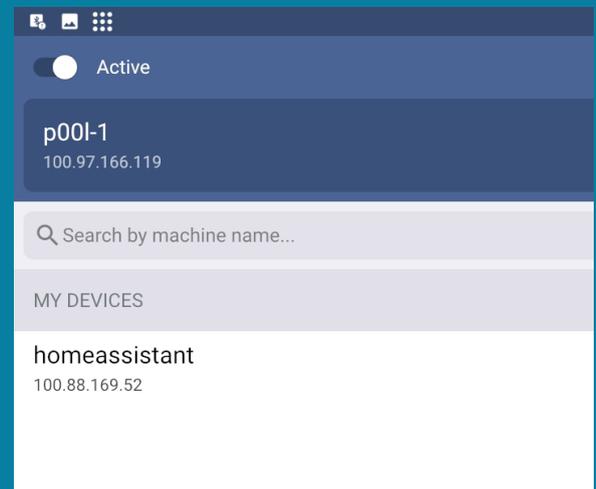


11 STEP

User interface

After login in the top left corner an "Active" text and switch can be seen. A list of all connected devices is also displayed here including the SMStewart under the "homeassistant" ID. Some device types may ask for special permissions when using Tailscale grant these for the application to work.

In the future to access the device the tailscale app should be launched and activated before.



12 STEP

Connecting

The SMStewart can be accessed from the remote device using "http://homeassistant:8123" (if another default name is displayed in tailscale than replace "homeassistant" in the link with the new name). For this a browser or the home assistant app can be used.

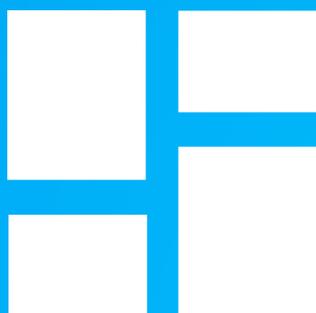


*if the link doesnt work try using the ip address under the homeassistant VPN connection in tailscale and check if tailscale is active



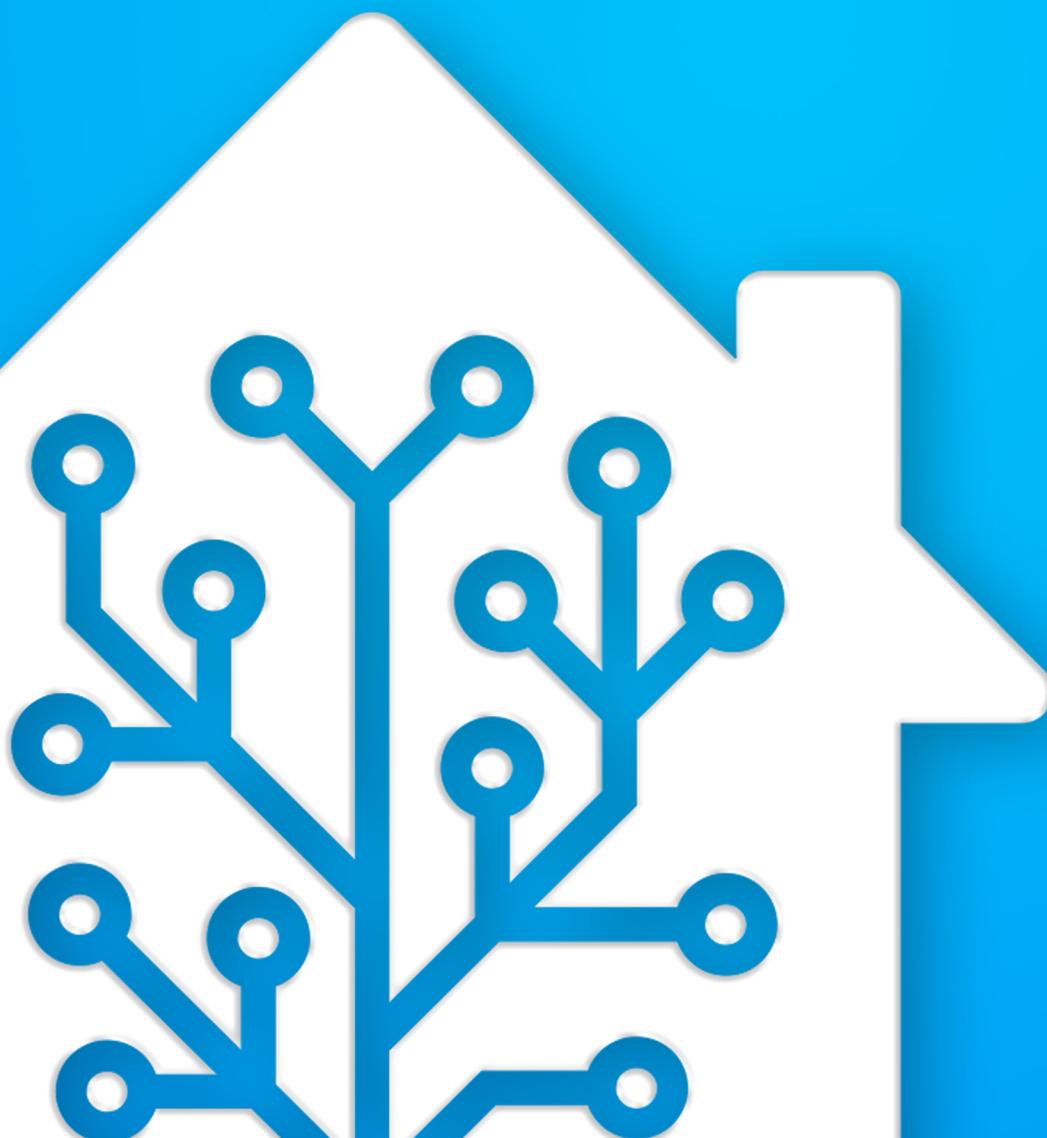
SMStewart

User manual



User Interface

Editing, use, extension, adding devices, theme editing.



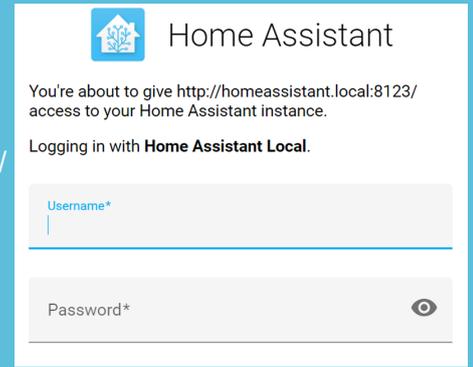
Videosec[®]

01 STEP

Login

The interface can be reached with a PC on the same network as the SMStewart. In a browser going to `http://homeassistant.local:8123/`

Default login credentials are: "admin" & "123456"



02 STEP

Overview

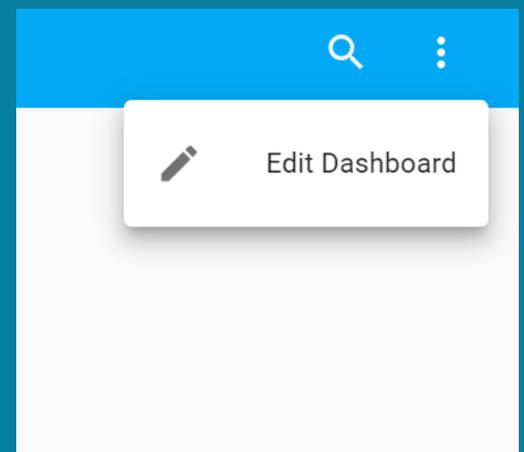
On the left sidebar choose the Overview option. Our devices will be displayed here dynamically so they can fit on a phone tablet or PC monitor.



03 STEP

Edit Dashboard

In the top right corner we can arrange our dashboard using the edit dashboard option. After accessing this mode the top bars color changes and cards currently displayed show an edit button and a 3 dot menu as well as arrows to rearrange cards.



04 STEP

Add card

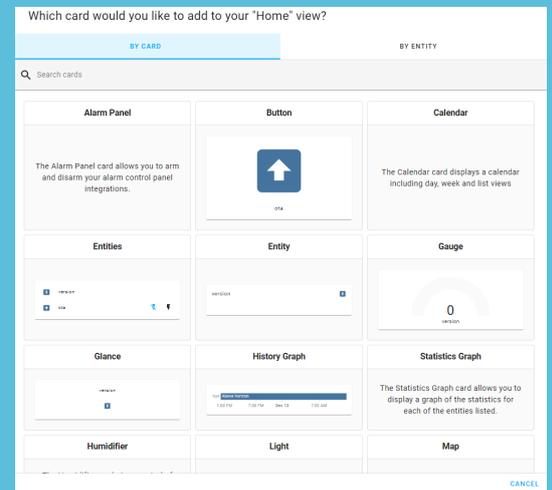
In the bottom right corner we can add a new card to the dashboard. The card chooses a compatible entity by default but we can edit this later as well.



05 STEP

Cards

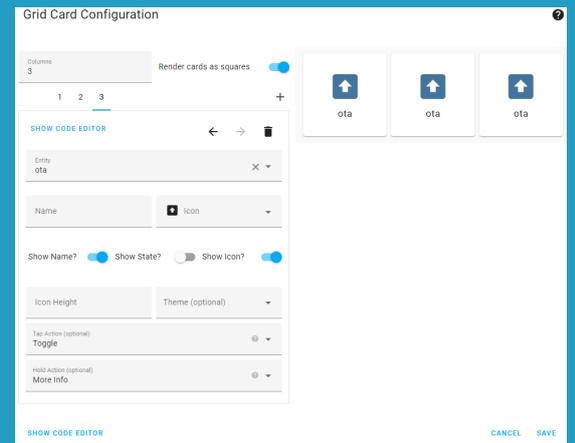
We pick our preferred card type. In the “Entity” popup we can choose the preferred entity our card should control. Based on card types we can set the: icon, name, single click action, long click action, ect.



06 STEP

Card Groups

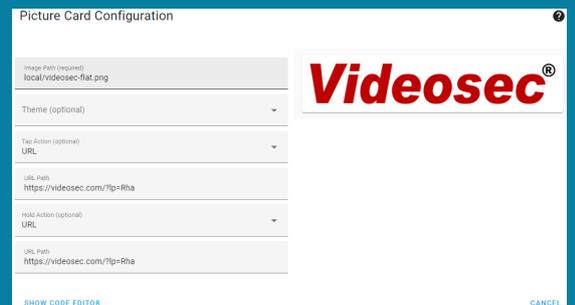
Multiple cards can be set up into groups. These groups (as of 2022.12.13) can be: Grids, Horizontal Stacks and Vertical Stacks. With these, cards can be fixed and arranged so that they don't re-arrange on different screen sizes.



07 STEP

Edit Cards

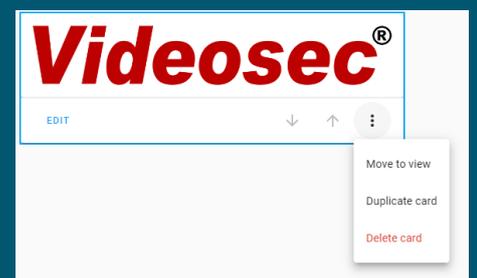
In the bottom of every card there is an Edit button. This opens up the same user interface as if a new card has been added so its parameters can be modified.



08 STEP

Ordering/Moving/Deleting Cards

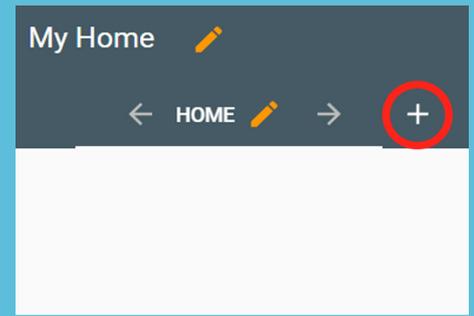
All Cards have a 3 dot menu that lets us delete, clone or move a Card to another View on the dashboard. They also have arrows so the cards can be re-arranged in the current dashboard.



09 Views

STEP

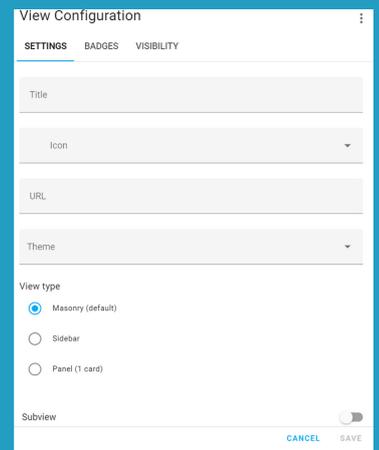
In the top bar of the dashboard a + sign indicates the option to create new views. These can also be edited using the yellow pencil icon.



10 New views

STEP

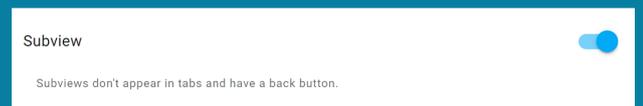
There are 3 types of views. The first kind dynamically arranges cards based on screen size, the second arranges everything in one column and the third one just displays a single card.



11 Subpages

STEP

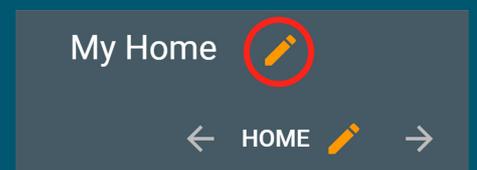
You can also set up subpages that are not visible by default only by the URL that is set up for them.



12 Editing main page

STEP

You can also rename and edit the main page by using the yellow edit icon on top.





Videosec

SMStewart

User manual



Automation

Creating and editing automations, automation components.



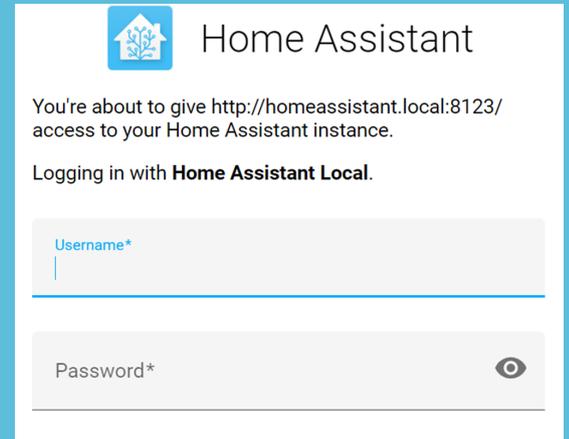
Videosec[®]

01 STEP

Login

The interface can be reached with a PC on the same network as the SM-Stewart. In a browser going to <http://homeassistant.local:8123/>

Default login credentials are: "admin" & "123456"



The screenshot shows the Home Assistant login interface. At the top left is the Home Assistant logo (a house with a plant) and the text "Home Assistant". Below this, it says "You're about to give <http://homeassistant.local:8123/> access to your Home Assistant instance." Underneath, it says "Logging in with **Home Assistant Local**." There are two input fields: "Username*" and "Password*", both with asterisks indicating they are required. The password field has an eye icon to toggle visibility.

02 STEP

Settings

In the bottom left corner go to settings (third from the bottom)



Settings

03 STEP

Automations

New and existing automations can be accessed using the "automations & scenes" submenu.



Automations & Scenes

04 STEP

Create automation

DO NOT DELETE ANY PRE EXISTING AUTOMATIONS!

Create a new automation by clicking the button in the bottom right corner called "Create automation"



05 STEP

Start with empty automation

Use the empty automation

(Blueprints can be used but most of the time an empty automation is the best starting point)

Start with an empty automation
Create a new automation from scratch

06 STEP

Triggers

In the first row we can set up triggers that start the automation.

Triggers

+ ADD TRIGGER

07 STEP

Conditions

An optional section that check one or multiple conditions are true and only starts Actions of the automation if these are true.

Conditions

+ ADD CONDITION

08 STEP

Actions

The commands we wish to execute if the triggers started the automation and the conditions didn't stop it.

Actions

+ ADD ACTION



Videosec

SMStewart

User manual



User manager

Adding new users, editing existing users, password management, user-role editing.



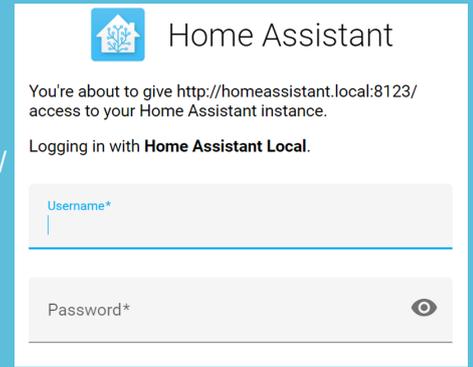
Videosec[®]

01 STEP

Login

The interface can be reached with a PC on the same network as the SMStewart. In a browser going to <http://homeassistant.local:8123/>

Default login credentials are: "admin" & "123456"



02 STEP

Settings

In the bottom left corner go to settings (third from the bottom)



Settings

03 STEP

People

In the People submenu existing users can be edited and new users can be added.



People

04 STEP

New user

We can add new users with the blue button in the bottom right corner

+ ADD PERSON

05 STEP

New Person

Fill in the username and optionally add a picture for the user. If the user is active turn on the “Allow person to login” slider. (Blocking login is for specialized use cases only and can be ignored in regular use)

New Person

Name*
Test Elek

Picture

Allow person to login

When you have devices that indicate the presence of a person, you will be able to assign them to a person here. You can add your first device by adding a presence-detection integration from the integrations page.

- [Presence Detection Integrations](#)
- [Integrations page](#)

CREATE

06 STEP

Setup account

After allowing login for the user a popup window will appear, asking us to setup:

- A password for the user
- Role (admin or not)
- Can only login locally

After these the user can be created with the “Create button”

Add user

Username
test

Password

Confirm Password

Can only log in from the local network

Administrator

The user group feature is a work in progress. The user will be unable to administer the instance via the UI. We're still auditing all management API endpoints to ensure that they correctly limit access to administrators.

CREATE

07 STEP

Editing User

To edit a user click on the users account name and the user can be edited. You can set up:

- If they can login to the web interface
- they can only log in locally
- Roles (admin or not)
- Location devices (If they're available)
- change password

admin

Name*
admin

Picture

Allow person to login

Can only log in from the local network

Administrator

When you have devices that indicate the presence of a person, you will be able to assign them to a person here. You can add your first device by adding a presence-detection integration from the integrations page.

- [Presence Detection Integrations](#)
- [Integrations page](#)

DELETE CHANGE PASSWORD UPDATE

08 STEP

Roles

Non-admin: The account only has limited access. It can only interface with the dashboard. It can't access the settings add any devices and create automations.

Local account: it will only be able to log in if its on the same network as the SMStewart.



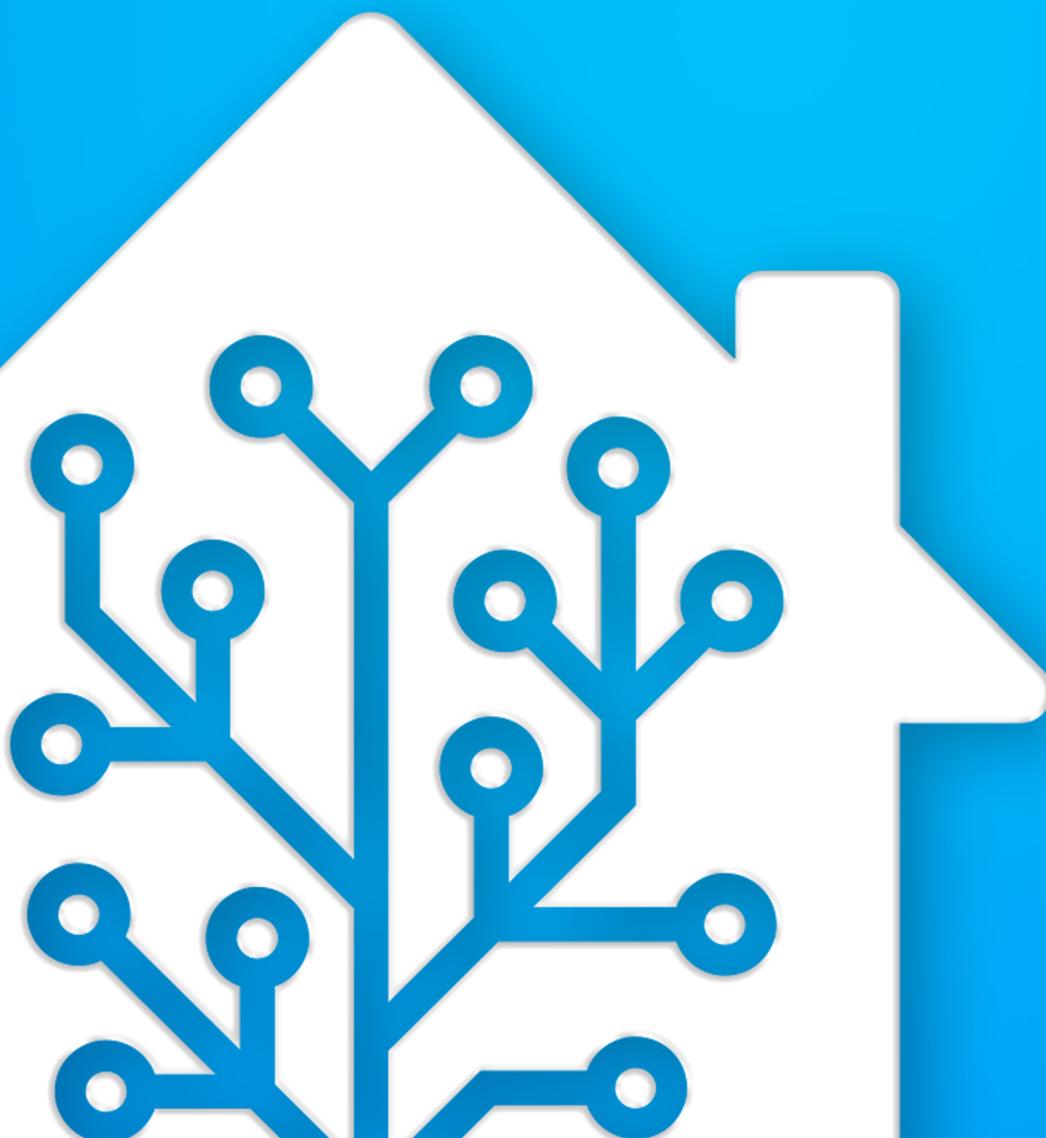
SMStewart

User manual



Language settings

Per-user language settings



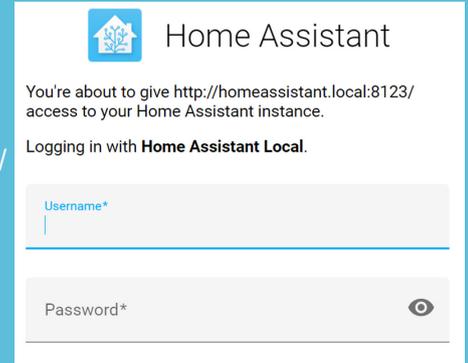
Vidosec[®]

01 STEP

Login

The interface can be reached with a PC on the same network as the SMStewart. In a browser going to <http://homeassistant.local:8123/>

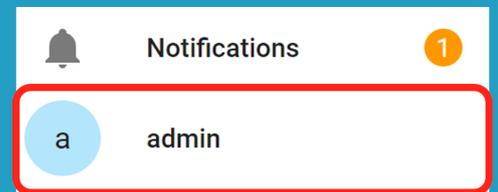
Default login credentials are: "admin" & "123456"



02 STEP

User page

The user page is available at the bottom of the left side pannel. This page shows every option and region setting for the user.



03 STEP

Language settings

The language of the user interface can be changed at the first dropdown menu. The language setting is user specific so changing it for one user doesn't affect any other users language.



04 STEP

User per user

All user specific setting in this menu are only applied for the current user. If all user settings need to be changed than we need to repeat the process in each account.





SMStewart

User manual



Camera integration

Integration of camera systems to SMStewart IoT hubs



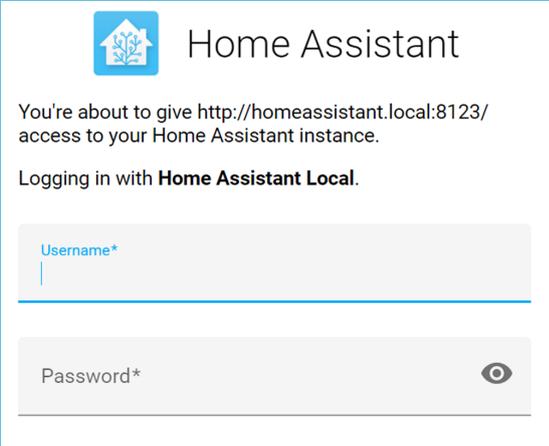
Videosec[®]

01 STEP

Login

The interface can be reached with a PC on the same network as the SMStewart. In a browser going to <http://homeassistant.local:8123/>

Default login credentials are: "admin" & "123456"



02 STEP

Settings

In the bottom left corner go to settings (third from the bottom)



Settings

03 STEP

Devices

Choose the Devices and services options to see all connected services in the interface.



Devices & Services

04 STEP

New Integration

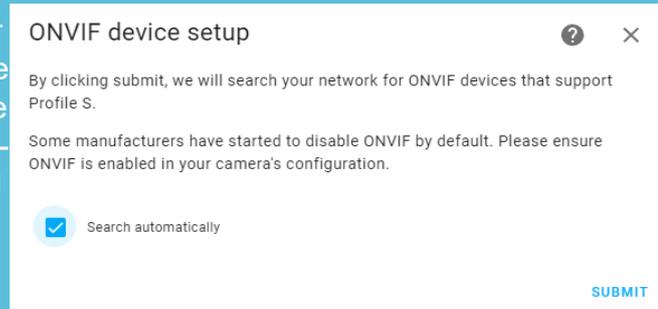
In the bottom right corner there is an "ADD INTEGRATION" button. After clicking it search for the "localTuya" integration and add it. This should open a form that requires a couple of datapoints.



05 Automatic Search

STEP

By default the integration searches for all ONVIF devices on its network. If we don't wish to do so we can remove the check mark from the "Search automatically" box. Otherwise we can proceed with the submit button.



06 Choose a camera

STEP

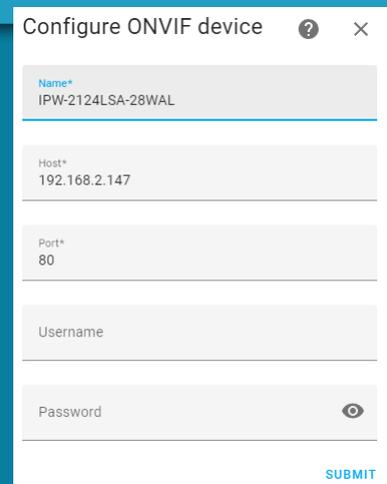
From the options presented we can choose the camera we wish to integrate.



07 Configuration

STEP

Fill out the missing ONVIF data and press the submit button. If the device you wanted to connect is not listed you can fill its data out here manually.

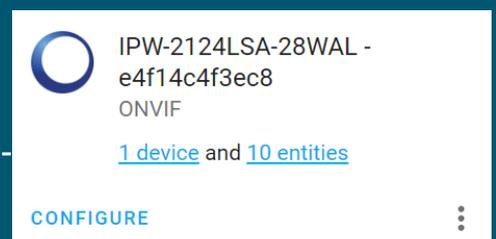


08 New integration

STEP

The camera will appear as a new integration on the interface. If you wish to add more cameras repeat the process for each camera.

*to view the camera stream, set the encoding to h264 for the main stream.





Videosec

SMStewart

User manual



Backup and updates

Total system backups and system update installation.



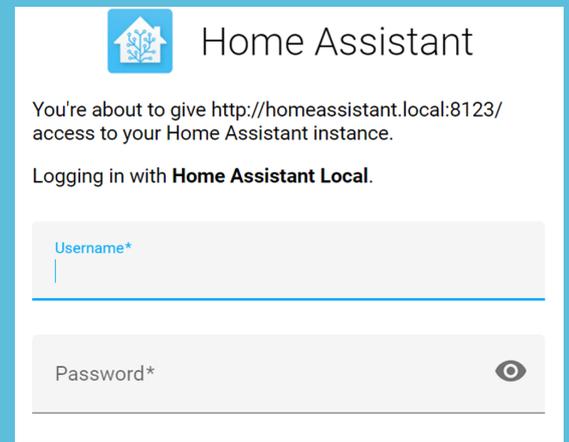
Videosec[®]

01 STEP

Login

The interface can be reached with a PC on the same network as the SM-Stewart. In a browser going to <http://homeassistant.local:8123/>

Default login credentials are: "admin" & "123456"



Home Assistant

You're about to give <http://homeassistant.local:8123/> access to your Home Assistant instance.

Logging in with **Home Assistant Local**.

Username*

Password*

02 STEP

Settings

In the bottom left corner go to settings (third from the bottom)



Settings

03 STEP

System

In the system window shows all settings for the system



System

04 STEP

Backups

The backup option contains automated and manual backups generated by the system.

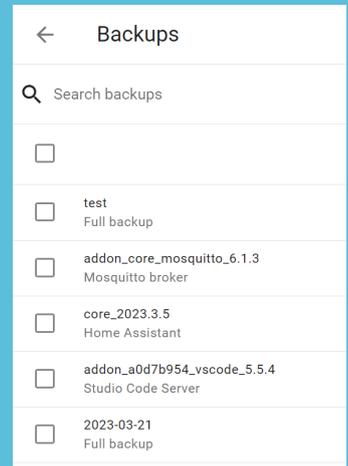


Backups

05 STEP

Backups

All backups are visible in a list. The subtitle indicates if its a full system manual or a partial backup (the latter are usually generated when an app or the OS updates)

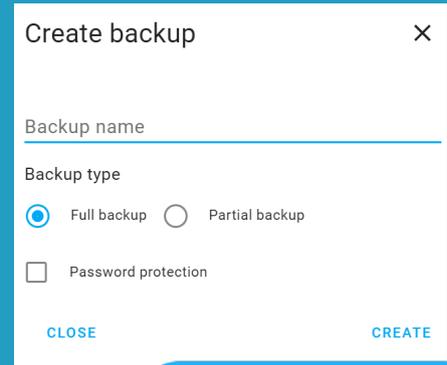


06 STEP

Create a backup

By clicking the blue button we can create a backup of all the current system settings. on the pupop window click on full backup (partial backups let us choose what part of the system we wish to backup)

If needed we can name the backup and create a password for it as well.

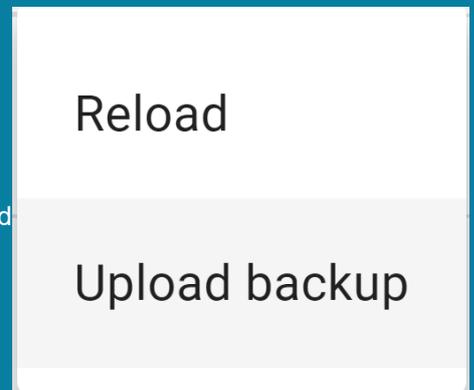


+ CREATE BACKUP

07 STEP

Uploading existing backups

The list can be refreshed and backups can be uploaded with the dropdown menu in the top right corner. With the Upload option we can download a .tar file containing the system image we wish to use.



08 STEP

WARNING!

Updating and restoring the system DELETE ALL SETTINGS AND SET THEM BACK TO THE STATE THEY HAD IN THE BACKUP (if they weren't added when the backup was made then they just get deleted).

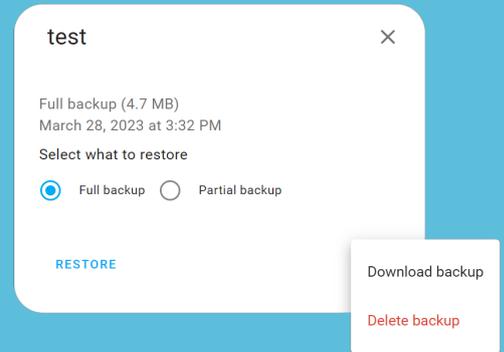
It is always recommended to make a system backup before restoring an old one.



09 STEP

Downloading a backup

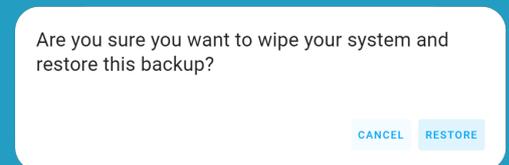
Open a backup and in the bottom right corner in the dropdown menu click on the “Download backup” option.



10 STEP

Restoring the system

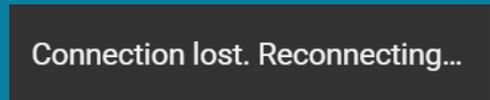
If you select the restore button a popup window will appear asking us to confirm the action, then the process will start.



11 STEP

WAIT untill the restoration finishes

While the system is recovering the connection will be dropped with the system until the recovery/update finishes. This is indicated by a popup window saying “Connection lost. Reconnecting...”. While the update is in progress DO NOT RESTART THE DEVICE. In a couple of minutes it will refresh automatically in a couple of minutes.



12 STEP

Backups

Before modifying anything in the system it is highly recommended to create a full system backup to prevent data and configuration loss.

