SwitchBee Central Unit

Advantages

- A Complete solution for smart control of a building
- Full house automation
- Energy saving
- Fast and easy to install

- Protected against cyber attacks
- User specific permissions
- Fast response
- Excellent signal range
- Worldwide control

- Scenarios, Timers and settings run automatically with no need for an internet connection
- Third party control

HomeKit

alexa

Google Home

MAXIMUM Security
Alarm Systems & all types of Detectors

DOOYA
TUBULAR MOTOR

somfy

Flood scensors

Irrigation

Notifications to users

Door/window sensors

Control of multiple A/C systems

Smoke detectors

Gates

Motion sensors

Control of boilers

Presence sensors

Shutters and curtains

Alarm

Lights

API

KNX

Home assistant

Control4

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SwitchBee Central Unit

Central Unit

Power supply	5V 0.3A, 1.5W
Load range	10dBm
Transmission frequency	433.5-434.5 Mhz
Transmission range	Up to 100M, extendable with a 'repeater'
Data encryption	2048 bits SSL
CPU and memory	Quad core CPU, 8GB flash, 1GB 4DDR
Third party connections	Google Home, Alexa
Paid third party connections	Control 4, Somfy, Dooya (Domus),Home Kit, Home Assistant
Dimensions	106*107*18 mm
Internet connection	LAN internet connection
Timers and scenarios	Unlimited timers and scenarios
Users and permissions	Add unlimited adminitrators and users. Ability to set different permissions for each individual user

Dear User:

The central unit is the heart of the smart home system. It is a secure and private "server computer" for its user with all the settings of the system, and the encryption keys. SwitchBee's system capabilities are many and varied. In this file a small part of the capabilities and features of the central unit are detailed. For more details, visit the website **www.SwitchBee.com**, where there are files and videos that guide you how to set up the system in detail.

For more details regarding: pairing switches, air conditioning and VRF systems, group scenarios, scene scenarios, IFTTT sensor scenarios, locking buttons and locking sensor scenarios, timer settings, settings of messages sent to the user (notifications) and many other features, **please refer to the website, and the training videos.**
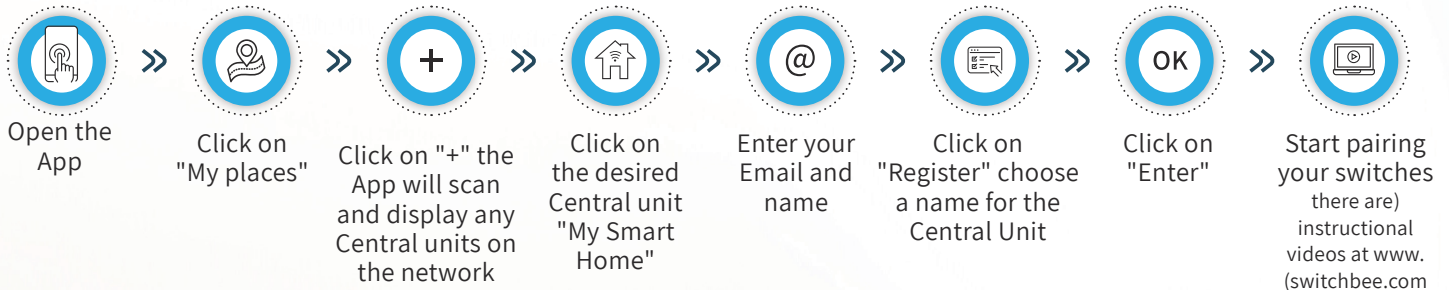
Important Once setup is completed, backup your Central Unit as shown below! Save this backup in a safe place.

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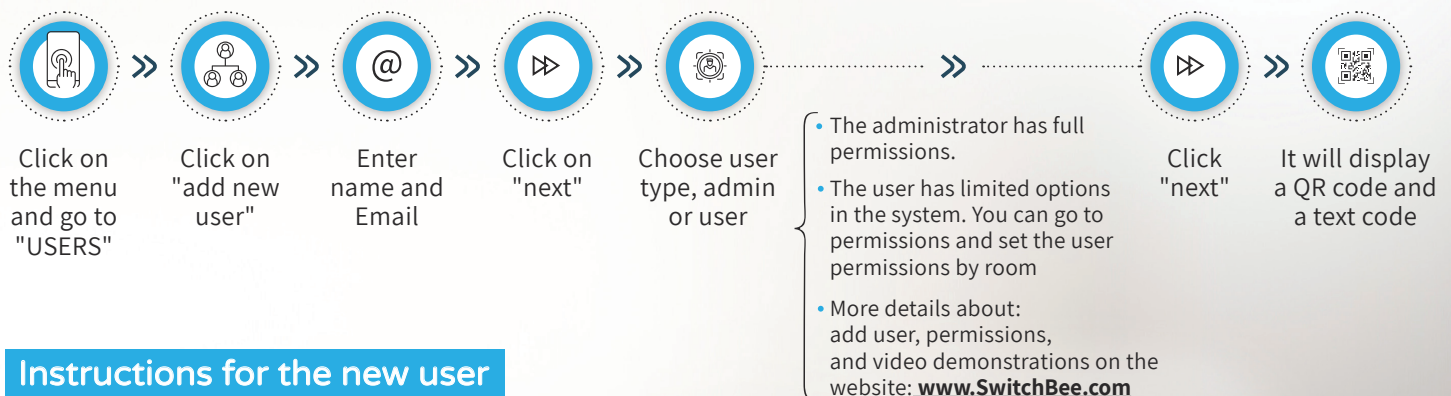
SwitchBee Central Unit

Initial connection to the Central Unit

In order to connect for the first time, the mobile phone has to be connected to the same Wifi the Central Unit is connected to.
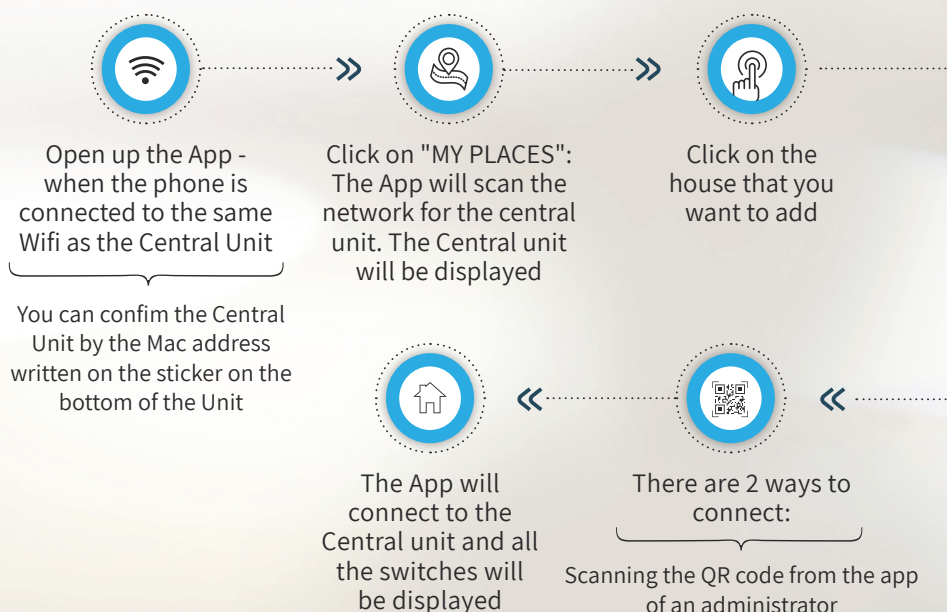
Open the App ≫ Click on "My places" ≫ Click on "+" the App will scan and display any Central units on the network ≫ Click on the desired Central unit "My Smart Home" ≫ Enter your Email and name ≫ Click on "Register" choose a name for the Central Unit ≫ Click on "Enter" ≫ Start pairing your switches (there are) instructional videos at www.switchbee.com)

Adding additional users to the Central Unit

Only an existing administrator can add a new user

Instructions for the administrator

Click on the menu and go to "USERS" ≫ Click on "add new user" ≫ Enter name and Email ≫ Click on "next" ≫ Choose user type, admin or user ≫

- The administrator has full permissions.
- The user has limited options in the system. You can go to permissions and set the user permissions by room

≫ Click "next" ≫ It will display a QR code and a text code

- More details about: add user, permissions, and video demonstrations on the website: **www.SwitchBee.com**

Instructions for the new user

Important In order to connect fot the first time, the mobile phone has to be connected to the same Wifi the the Central Unit is connected to.

Open up the App - when the phone is connected to the same Wifi as the Central Unit

You can confim the Central Unit by the Mac address written on the sticker on the bottom of the Unit

≫ Click on "MY PLACES": The App will scan the network for the central unit. The Central unit will be displayed ≫ Click on the house that you want to add

The App will connect to the Central unit and all the switches will be displayed ≪ There are 2 ways to connect: ≪

Scanning the QR code from the app of an administrator

Type the Email and code (letters and numbers) that the admin sent

SwitchBee Central Unit

Add a device to an existing user

If you want to add a device to an existing user (for example adding a tablet to a user who is already connected with a phone)

| Click on menu | » | Click on "USERS" | » | Click on the desired user | » | Click on "DEVICES" | » | Click on "EDIT" | » | Click on "Add Device" and it will generate a QR code |

Instructions for the new device

The instructions to connect a new device ar the same as instructions for a new user - on the previous page

Permissions for individual users

Permissions can be set by user. For example - allow the user to control only his room or several rooms and not the whole house It is also possible to set the permissions to includes settings such as timers, or turning off and on only. For more details - you can see the videos on the website www.SwitchBee.com

Backing-up the Central unit

It is extremely important to back up the Central unit. All smart home data, encryption keys, and settings are stored in the central unit. The backup preserves the system data. If a new central unit is required the backup enables a quick recovery of all system data. There are different methods to back up the system. The most recommended method is by email.

Backup to Email
From version 1.4.6.(9)

Click on the **menu**

Click on **"SETTINGS"**

Scroll to the bottom and click on **"BACKUP"**

Choose **"Backup to Mail"**

Enter the name of the backup and your email. **There is an option to send it to a second email address.**

Click on **"BACKUP"**

Click again on **"BACKUP"** and the backup will be sent to the email that you entered

Backup to Device (Only on android)

Click on the **menu**

Click on **"SETTINGS"**

Scroll to the bottom and click on **"BACKUP"**

Choose **"Backup to Device"**

Enter the name of the backup

Click on **"BACKUP"** the files folder will open on your phone to choose where to save the backup

Allow access to you devices files

Backup to USB
The USB has to be in the port closest to the antenna
**Should be 16GB in size ideally

Click on the **menu**

Click on **"SETTINGS"**

Scroll to the bottom and click on **"BACKUP"**

Click on **"Backup to USB"**

Click on **"Backup"**
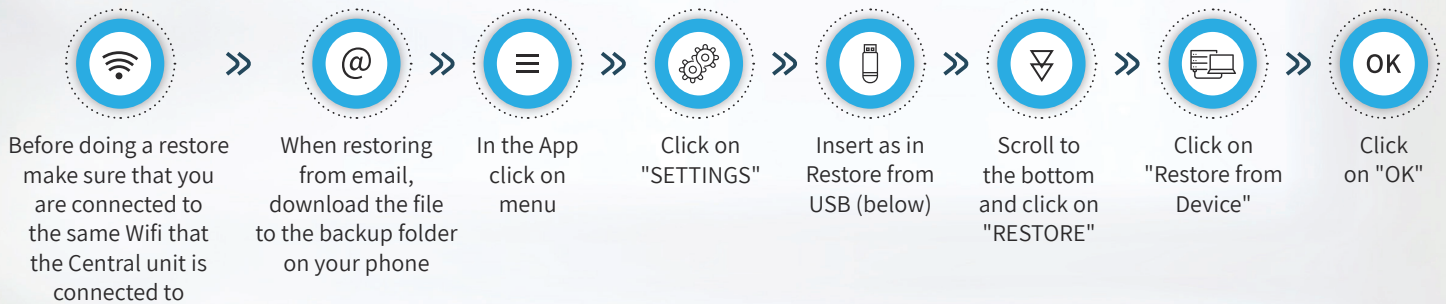
A pop-up will say **"Backup to USB"**

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Restore Central Unit

A restore will restore all the settings, such as the connected switches, scenarios, timers, etc.
There are 3 methods to restore the system
** After restoration, users will need to re-register to the central unit. (see "Adding users").
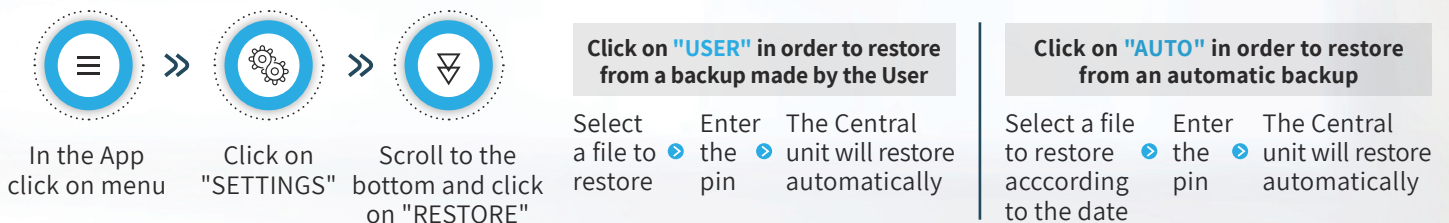
Restore from a phone or email backup

Before doing a restore make sure that you are connected to the same Wifi that the Central unit is connected to	When restoring from email, download the file to the backup folder on your phone	In the App click on menu	Click on "SETTINGS"	Insert as in Restore from USB (below)	Scroll to the bottom and click on "RESTORE"	Click on "Restore from Device"	Click on "OK"

The App will open the files on your phone. you will need to choose the desired backup for the Central unit

Restore from USB

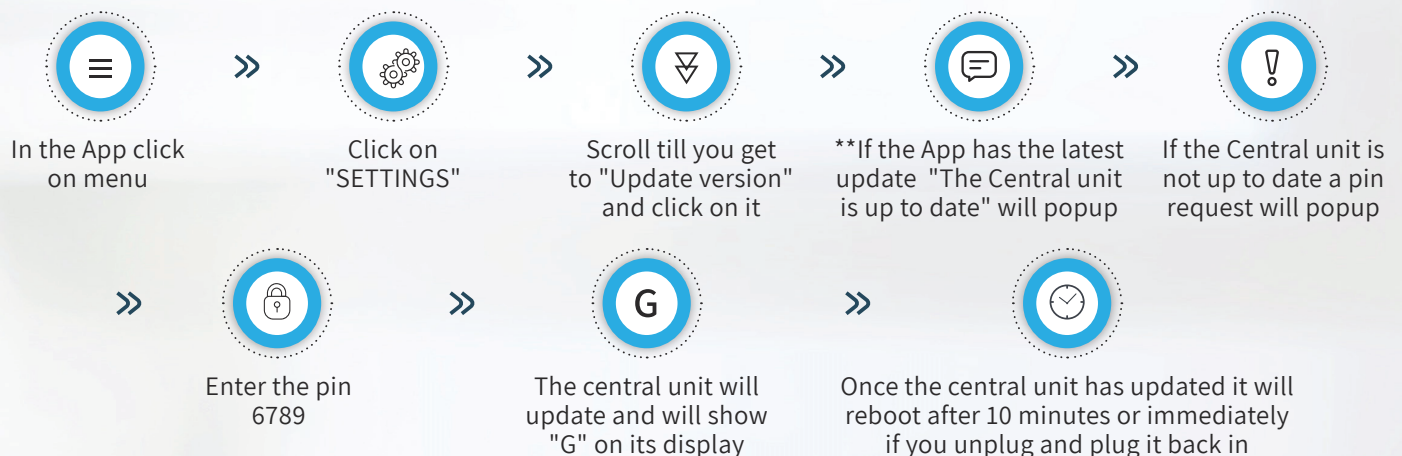|					
In the App click on menu	Click on "SETTINGS"	Scroll to the bottom and click on "RESTORE"	Click on "Restore from USB"	Enter the pin *Default 1234	The Central unit will restore automatically

Restore from local backup

In the App click on menu	Click on "SETTINGS"	Scroll to the bottom and click on "RESTORE"

Click on "USER" in order to restore from a backup made by the User

Select a file to restore	Enter the pin	The Central unit will restore automatically

Click on "AUTO" in order to restore from an automatic backup

Select a file to restore acccording to the date	Enter the pin	The Central unit will restore automatically

Software update for the central unit

Below are the steps necessary to update the version of the Central Unit:

In the App click on menu	Click on "SETTINGS"	Scroll till you get to "Update version" and click on it	**If the App has the latest update "The Central unit is up to date" will popup	If the Central unit is not up to date a pin request will popup

Enter the pin 6789	The central unit will update and will show "G" on its display	Once the central unit has updated it will reboot after 10 minutes or immediately if you unplug and plug it back in

You can see the system version in the application in "Menu" » "About" » "Version".
Or when the system boots, it will show the version on the display. Example: 1469

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Internet connectivity problems

Sometimes the system is blocked by the router/ISP. (For a first time connection, or when changing internet provider). You need to make sure that port 23789 is open for all IP addresses! To do this, call the support of the Internet provider, and request "open port 23789 for all IP addresses".

TIP | Sometimes you have to ask to be transferred to a more senior technician who can open the port

Another option - ask to set an IP for the central unit. Open port 23789 to the IP address set for the central unit. (There are companies that require a monthly payment for a fixed IP, but there are ways to do it from the router itself. Each router does it a little differently but they are mostly similar)

HOT
Instructions for HOT>>

Bezeq
Instructions for BEZEQ >>

User Reset

Press on the reset button in the small hole under the Central unit for less than a second. (pressing for longer than 5 seconds will reset the entire Central unit). The Central unit will reboot without Users.
*It is recommended to delete the house from "My Places" in the App before logging in.

Full reset of the Central Unit

Press on the reset button in the small hole under the Central unit for more 5 seconds. The Central unit will reboot without any switches or users.
*Local backups will not be deleted.
**It is recommended to delete the house from "My Places" in the App before logging in.

Emergency lock release for the switches

In the event that there are switches in lock mode, and connection with the central unit is down, (i.e the router is not working or a faulty Central unit) **the lock can be unlocked**. The central unit must be disconnected from the power. Return the power and within 3 seconds press on the reset button in the hole under the central unit (even if the central unit is malfunctioning).

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Integration with voice assistants Alexa/Google Home

To enable integration with Alexa or Google Home there are 2 main steps.
Step 1 - Enable integration for the central unit. **Step 2** - Linking SwitchBee to the Google Home or Alexa apps.

Step 1   Enable integration for the Central unit

Click on the menu » Click on "USERS" » Choose the User to open Integration » Click on the "Integration" tab » Click on "Enable"

If you don't have a SwitchBee account
Enter a password and confirm password » Click on "Sign up" » Check your Email for a confirmation Email » Click on "activate" | A message will appear

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If you have a SwitchBee account
Click on "Already have an account? sign in" » Enter your password » Click on "sign in"

Step 2   Enabling SwitchBee in the Google Home and Alexa apps

Connecting Google Home

Click on "Get started"
Type in the name or the house (nickname) » Click on "next" » Type location of the house or "skip" and click on "next" » *If you have other devices other than SwitchBee Google will scan for them now. (you can click on "not now/Cancel") » Click on "Devices" » Click on "Add device"

Click on "works with Google" » Search for "SwitchBee Smart Home" and click on it » Click on "Contnue" » In the login enter your Email and password that you setup in the SwitchBee App » Click on "continue" » All the SwitchBee switches that are paired in the SwitchBee App will now work through the Google Home App and through Googgle's voice assistance

Connecting to Alexa

Open the Alexa App » Click on "More" » Click on "Skills and games" » Search for "SwitchBee Smart Home" and click on it » Click on "Enable to use" » Enter the Email and password that you setup in the SwitchBee App » Click on "Sign in"

Click on "Continue" to enable the connection and you will receive an Email from Discover » Request from Alexa to scan for new devices (ask Alexa "Alexa, Descover new devices") » The switches will be added to Alexa and they can be activated through Alexa's voice assistant
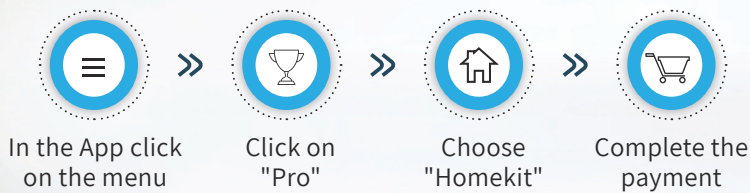
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Connecting to Apple Homekit

In a house with Apple TV or a Home Pod.

Buying Homekit

1

In the App click on the menu » Click on "Pro" » Choose "Homekit" » Complete the payment

In a house with Apple TV or a Home Pod

2

Click on menu » Click on "Users" » Make sure there is a user called "homekit"

Enabling Homekit

3

Open the Home App in an Apple device » Click on "Add accessory" » Click on "More options" (or I don't have a code or option to scan code" » Click on "homebridge" » Click on "Add anyway" » Enter the code that can be found in the SwitchBee app under Menu > HomeKit Setup > Get Code

» Click on "Continue" » Choose a location for the bridge » Change the name of the bridge or click "Continue"- a window will popup with "add another bridge to my house" » Click "Continue"

You can now add all the switches to their appropriate rooms or leave them in the default room and change them at a later date

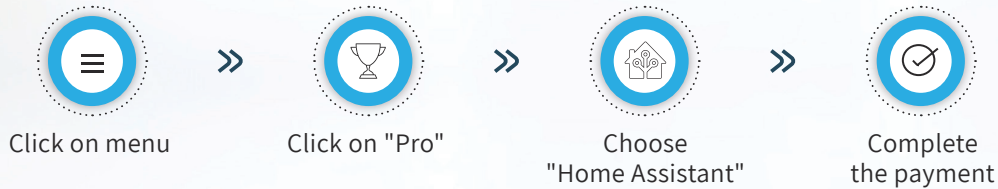**NOTE** The default name of the switches linked to "Homebridge" will be the same as the names they were give in the SwitchBee App
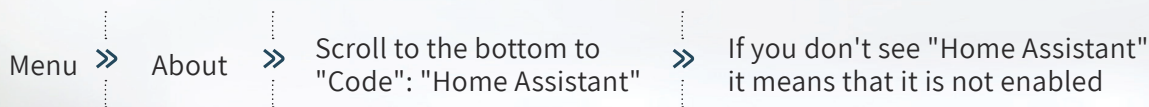
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Integration with Home Assistant

In BSWITCH\SWITCHBEE APP
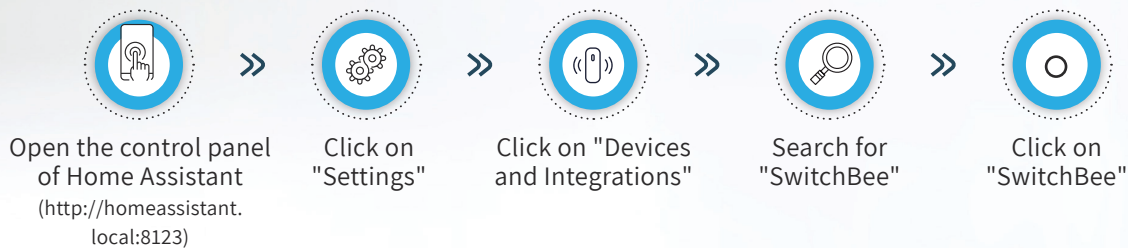
Click on menu » Click on "Pro" » Choose "Home Assistant" » Complete the payment

You can verify the purchase by checking the Home Assistant option on the payment page or checking from the "About" page

Menu » About » Scroll to the bottom to "Code": "Home Assistant" » If you don't see "Home Assistant" it means that it is not enabled

Connecting to Home Assistant

*Make sure that Home Assistant is enabled

Open the control panel of Home Assistant (http://homeassistant.local:8123) » Click on "Settings" » Click on "Devices and Integrations" » Search for "SwitchBee" » Click on "SwitchBee"
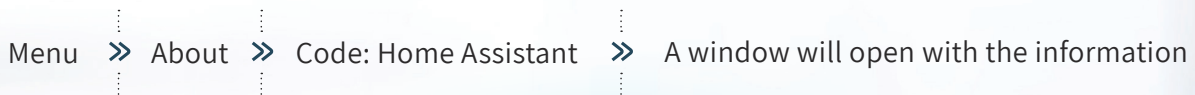
Fill in

Host = IP address of the Central unit

(The IP address can be found in **"menu >"About"**)

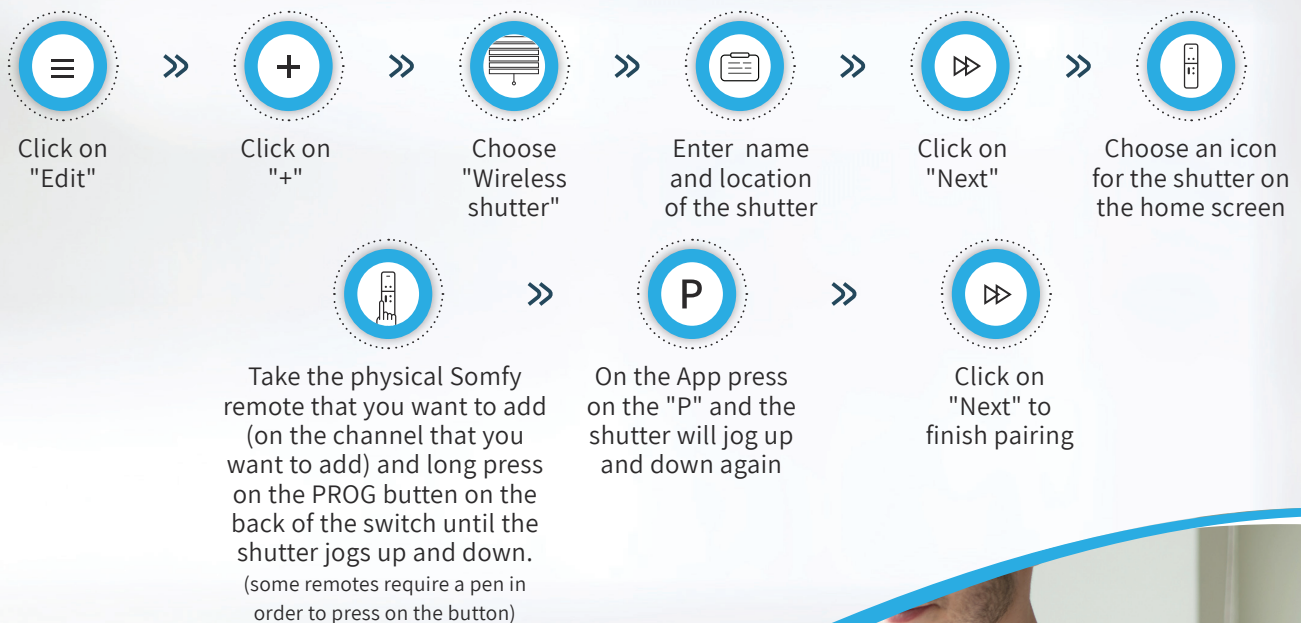Username and password can be found by navigating from the home page:

Menu » About » Code: Home Assistant » A window will open with the information

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Connecting to a Somfy shutter

Purchasing Somfy

Click on menu » Click on "Pro" » Choose "Somfy" » Comple the payment
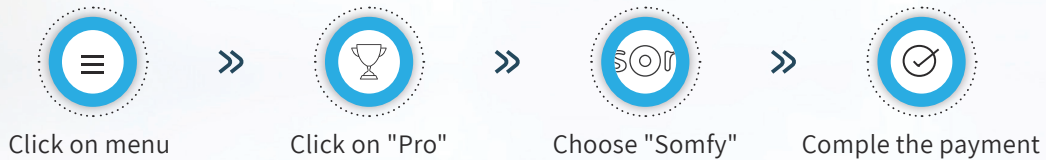
Connecting a Somfy remote to the App

Click on "Edit" » Click on "+" » Choose "Wireless shutter" » Enter name and location of the shutter » Click on "Next" » Choose an icon for the shutter on the home screen

Take the physical Somfy remote that you want to add (on the channel that you want to add) and long press on the PROG butten on the back of the switch until the shutter jogs up and down.
(some remotes require a pen in order to press on the button)

» On the App press on the "P" and the shutter will jog up and down again » Click on "Next" to finish pairing

Connecting to DOOYA (Domus) curtains

Connecting to DOOYA is the same as connecting to Somfy
(Except that you must purchase DOOYA instead of Somfy)

Connecting MAXIMUM Security sensors to SwitchBee

The MAXIMUM transceiver must be connected to the USB port closest to the antenna of the Central unit

Enable "Alarm system" in the settings

Click on menu
⌄
Click on "SETTINGS"
⌄
Click on "Alarm system"
⌄
Click on the home page - the home page needs to have two tabs at the top of the page "Switches" and "Sensors"

After the previos stage, Maximum sensors can be added

Adding a sensor

Click on "Edit" » Click on "+" » Choose "MAX SENSOR" » On the sensor: Press on the pairing button (as shown in the diagrams below)

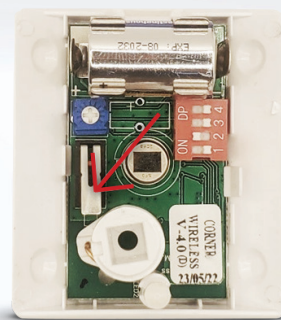» Enter name and location, click on "NEXT" » Click on "DONE"

Curtain SLIM   Curtain PRO   Corner   Curtain MINI