République Algérienne Démocratique et Populaire

الجمهورية الجزائرية الديمقراطية الشعبية

Ministère de l'Enseignement Supérieur et de la Recherche Scientifique

وزارة التعليم العالي و البحث العلمي

المدرسة الوطنية العليا للإعلام الآلي

(المعهد الوطني للتكوين في الإعلام الآلي سابقا)

École nationale Supérieure d'Informatique

ex. INI (Institut National de formation en Informatique)

Second year preparatory cycle (2CP)
Academic year : 2023/2024
Multidisciplinary project

Project N°09 :

Domov's User Guide

Team N°02

- AGAL Imene
- BOUSDJIRA Nadine
- DJERFI Fatma
- HASNAOUI Sarah
- MEKIRCHA Rafika Houda
- ZITOUNI Rania

Supervised by

- Mr. MAHFOUDI Amar
- Mr. SEHAD Abdennour

Table of contents

Introduction

"Domov" is an Android mobile application for convenient control smart home appliances, specifically garage appliances such as lights and locks, remotely. Seamlessly monitor and manage your lighting and locks from anywhere at any time. This manual serves as your comprehensive guide to harnessing Domov's features effectively for an enhanced smart home experience.

Why Domov ?

1. **Seamless Integration :** Domov connects effortlessly with your smart home devices, letting you manage everything from a single app. It works with different appliances, so you can bring together your lights, locks, and other gadgets without any fuss.

2. **Intuitive Interface :** With a user-friendly design, Domov makes controlling your smart home straightforward. You can enjoy managing appliances like lights and locks without complex menus or confusing settings. It's designed to be easy for everyone, even if you're new to smart technology.

3. **Remote Access :** Whether you're at home or outside, you can control your home's lights and locks from anywhere with Domov. This remote access feature gives you peace of mind, knowing you can always check on your home and make changes as needed.

4. **Customization :** Tailor Domov to your preferences with personalized settings to fit your specific needs. This flexibility means you can make the app work the way you want.

5. **Enhanced Security and Efficiency :** Domov enhances home security and energy efficiency in a variety of ways. It lets you monitor and control your locks remotely, giving you peace of mind whether you're at home or away. It also allows you to turn off lights and other devices remotely, helping you reduce energy consumption. With Domov, you can protect your home and manage energy use effortlessly.

Now that the introdcutions are over, let us dive into Domov ; the revolutionary home automation app every homeowner needs !
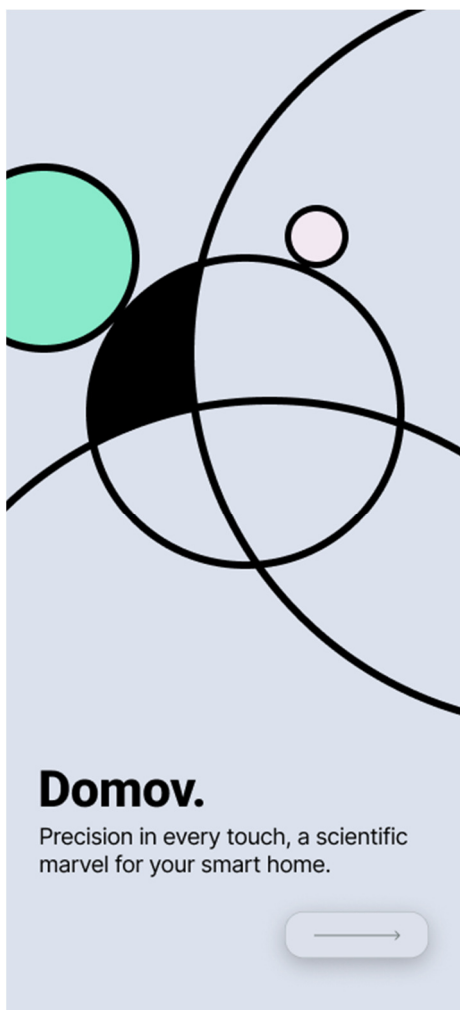
1. *Installing the App from Domov's Website*

Visit the link : www.domov.com to access our website and locate the section dedicated to app installation. From there, simply download the app using the provided link or button. Once downloaded, follow the on-screen instructions to install the app on your smartphone. Grant any necessary permissions, and soon you'll be ready to enjoy the convenience of controlling your smart switches remotely. If you encounter any issues, refer to the Help section on our website for assistance.

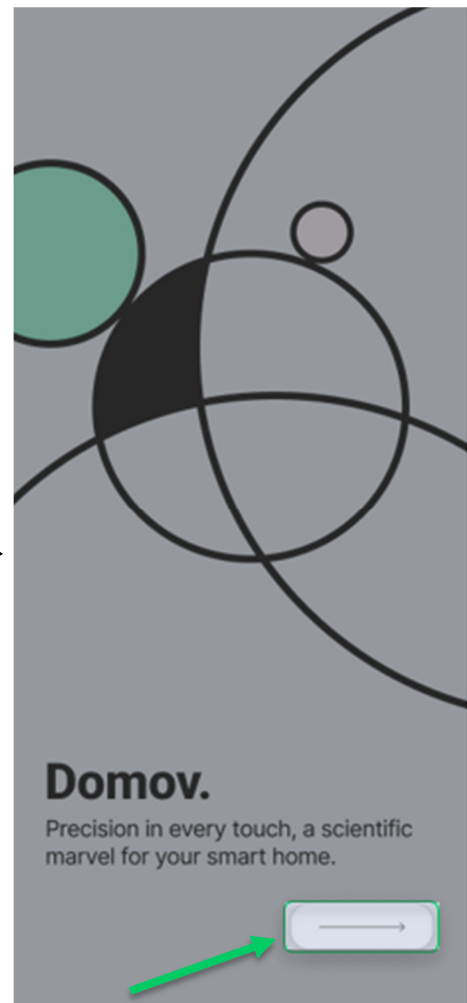# 2. *Launching the application*

The launching page serves as the initial gateway to the Domov mobile application, offering a welcoming introduction and seamless entry into smart home management.

From this screen, users can effortlessly access and control various features of the application, simply by clicking on the "Start" button, represented by an arrow.

- **Domov's launch page**

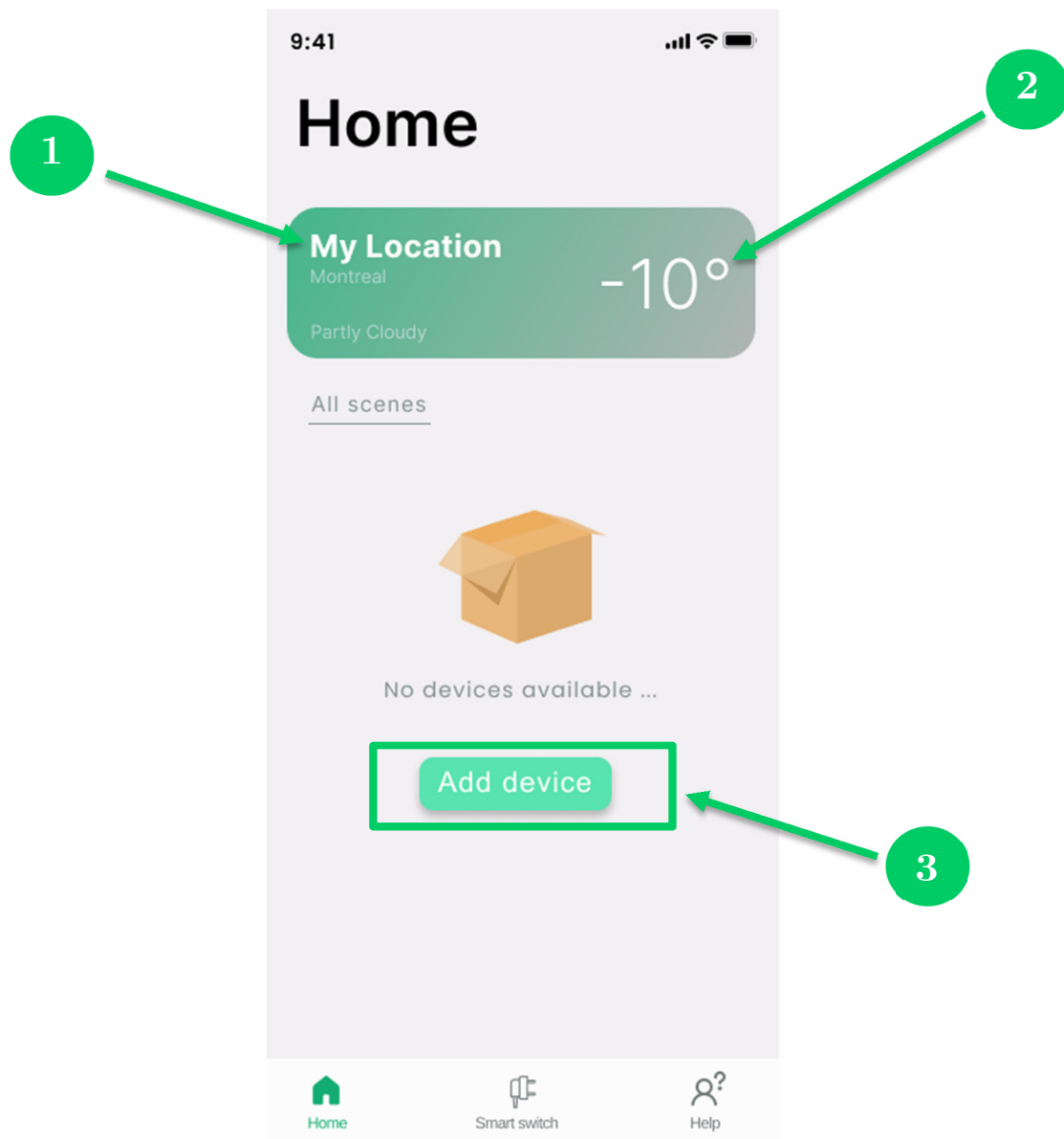- **Click on the arrow below to enter the home screen**

3. Home page (smart switch disconnected)

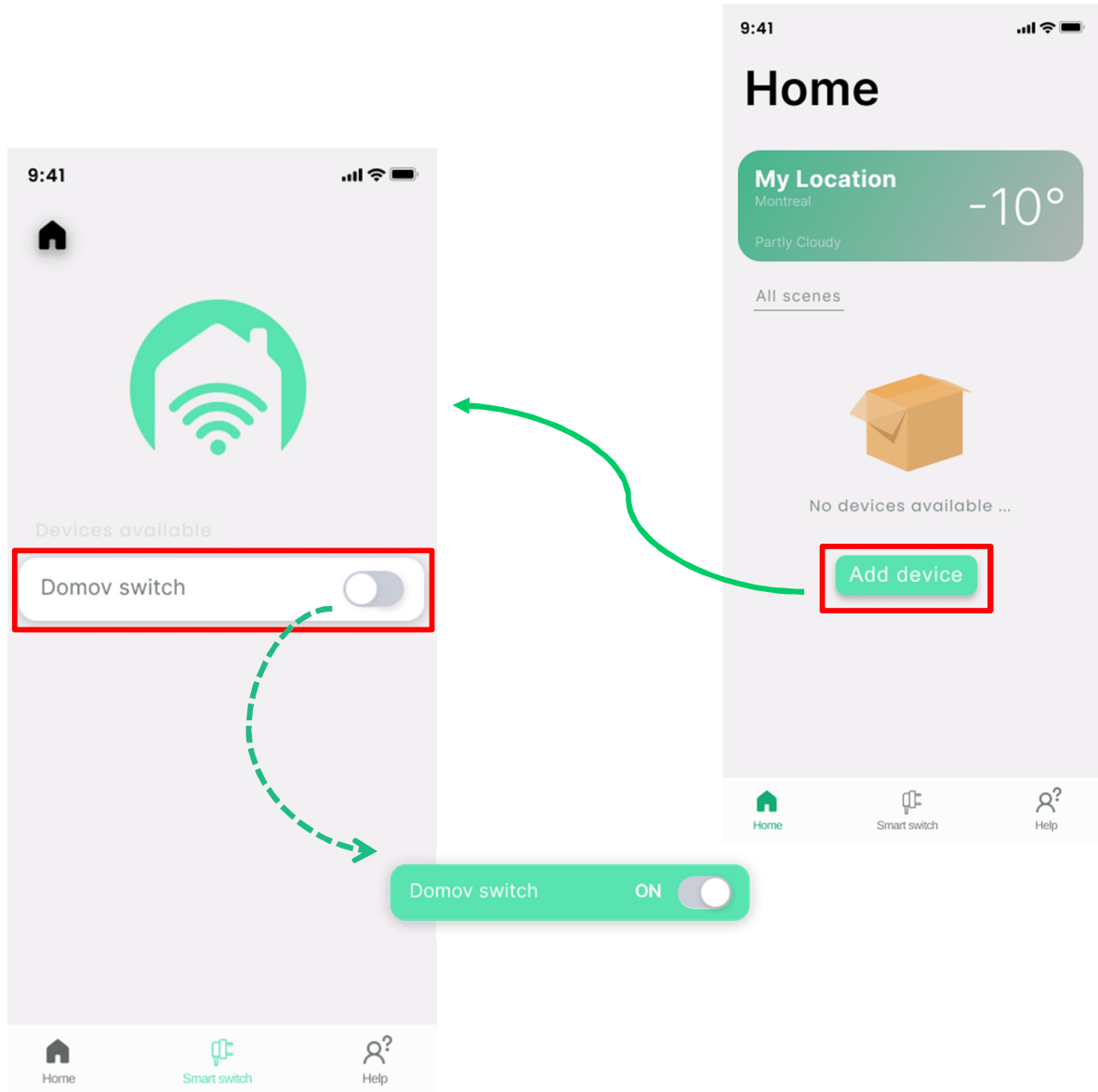Upon entering the application, you'll encounter the home page, boasting:
1. A location bar for easy tracking when you're away from home.
2. Real-time temperature updates for your current area.
3. A display of available scenes (home appliances) to monitor within the application.

However, at this stage, no devices are yet visible on the screen due to the fact that no Smart Switches are connected to the app. The list of scenes is, therefore, empty, and the button "Add device" appears instead.

• *Adding a new device*

By clicking the "Add Device" button, you can seamlessly incorporate the Smart Switch device of your choice by connecting to its local WiFi networks using a specific password only known by the owner of the product.
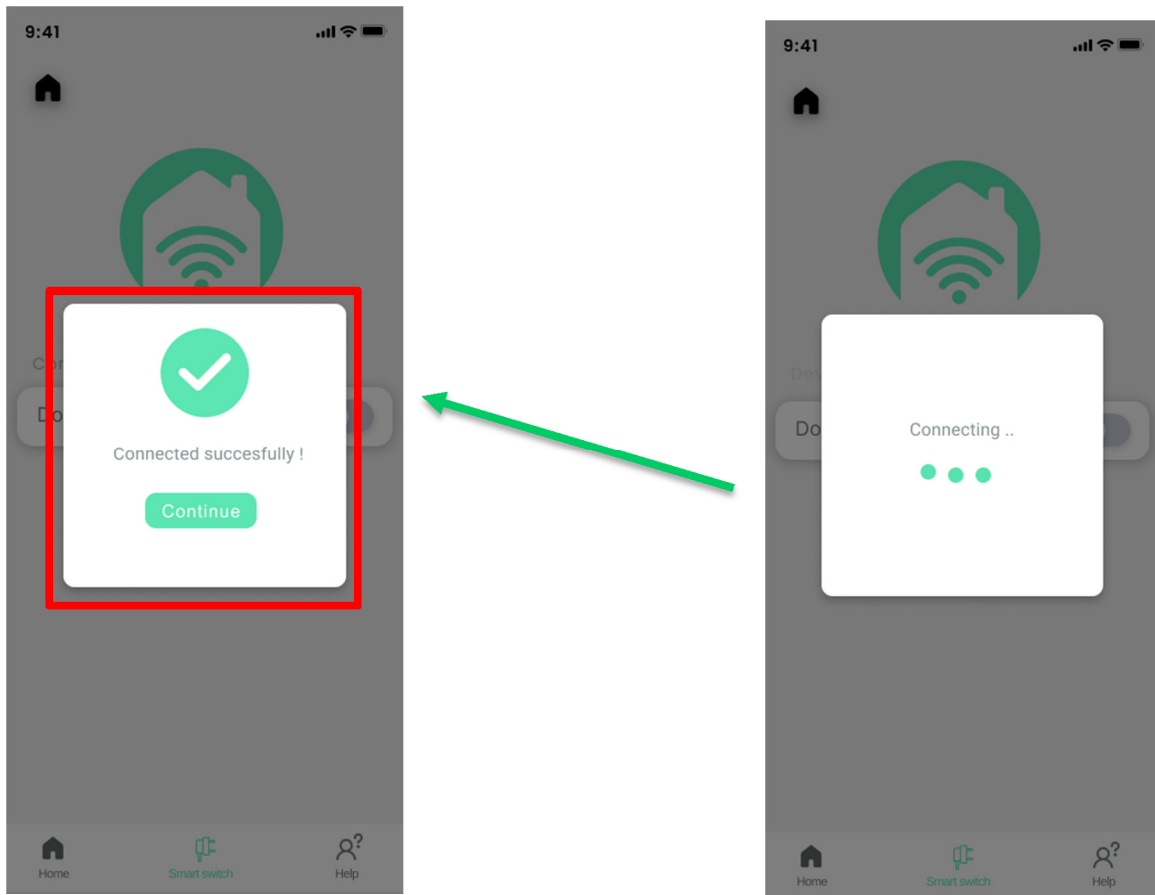

After adding a new device, which will be displayed in the "Smart Switch" page, the user can activate the Smart Switch by tapping on "Domov Switch" (or your chosen device name).

After clicking on the indicated button, wait for the device to connect to your application, this should take no longer that a few seconds.

Upon connection confirmation, the selected switch's button should turn green and display the word "ON" instead of "OFF", indicating a successful connection. If any errors occur, ensure you've selected the correct smart switch.

- *Connection confirmation*

To disconnect a Smart Switch from the application, ensure that all devices, such as lamps and locks, are switched off before simply toggling the same button (holding the Smart Switch's name).

If the operation is successful, the button should turn back to its original color, and display "OFF" instead of "ON" next to the toggle. Additionally, the scenes related to the disconnected device will no longer be available in your Home page.

Once you're done, you can return to the Home page to manage the scenes your remaining Smart Switches offer. If no switch is connected, the page will be empty of any scenes.

4. Home page (smart switch connected)

   After returning to the home page following the successful connection of the smart switch, you'll find the connected devices listed, including the garage lights and door.
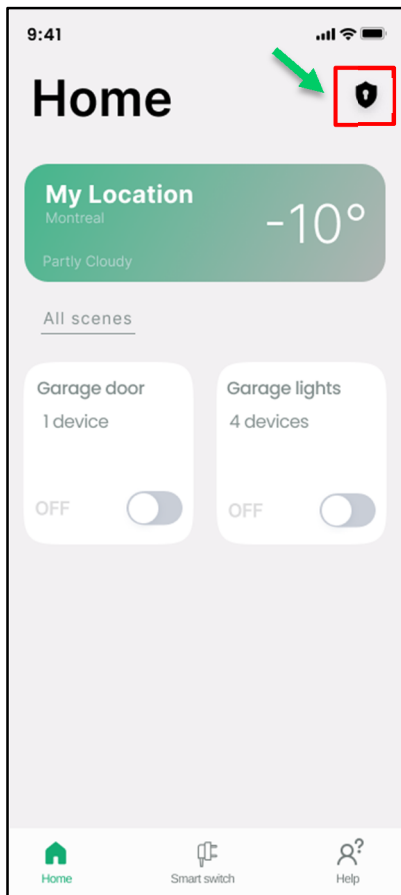
   Now, you can manage your appliances effortlessly by simply clicking the ON/OFF toggles.

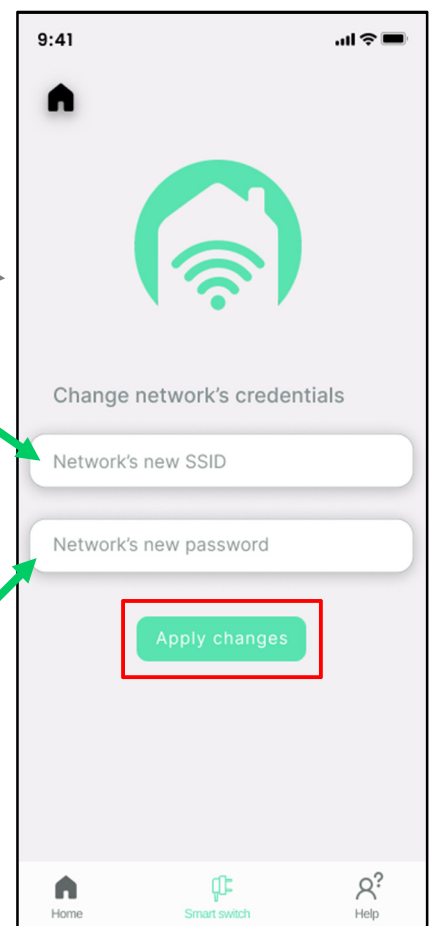# • *Changing network credentials*

If you wish to change a connected Smart Switch's network's name, password or both for better security, press on the Settings button on the home screen.

You will be redirected to a new window where you'll be able to enter the new credentials you wish to use. Once you're done entering the new SSID (network's name) and password, click on "Apply changes" to confirm your choice.
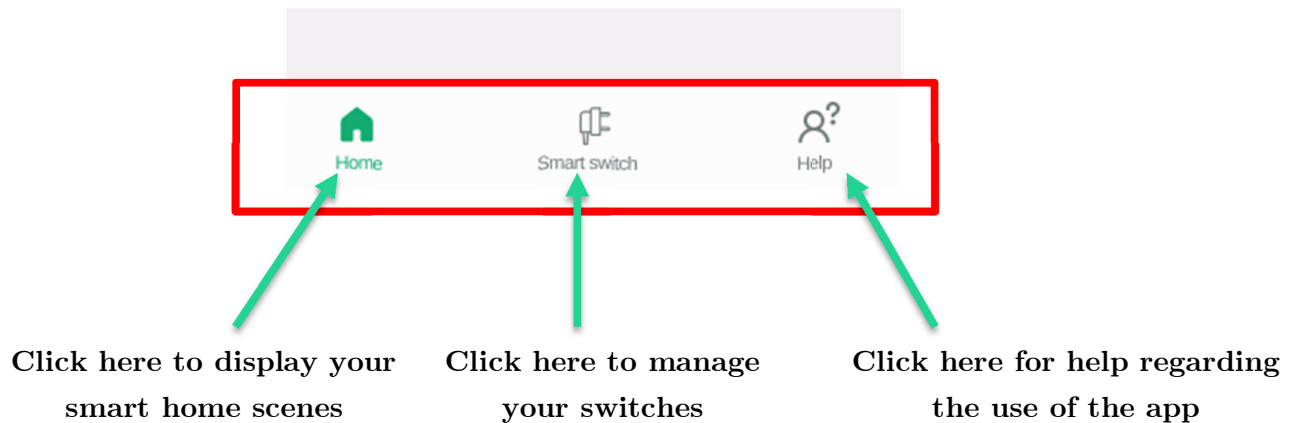
Enter your new SSID (network's name)
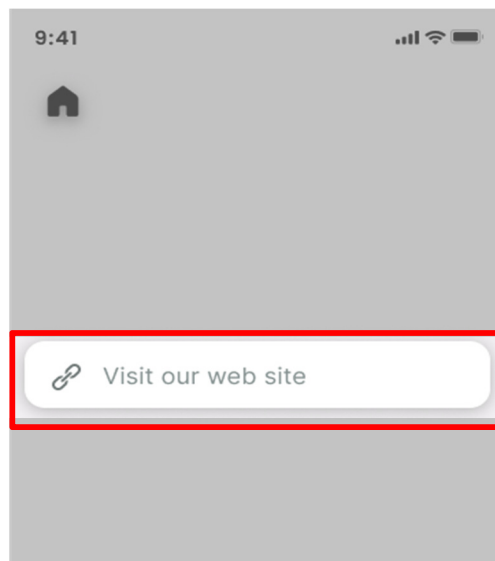
Enter your new password

5. Menu

Click here to display your smart home scenes

Click here to manage your switches

Click here for help regarding the use of the app
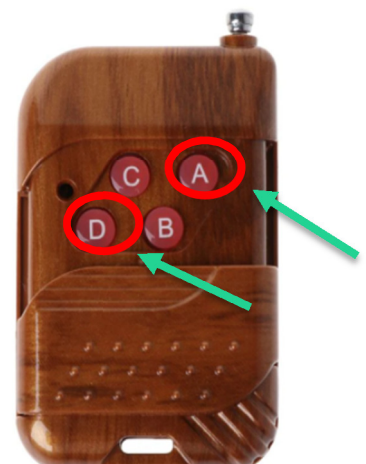
6. Help

Click on "Help" in the menu to visit the "Help" page where you'll find a URL redirecting you to our support website where you'll find more information about Domov.
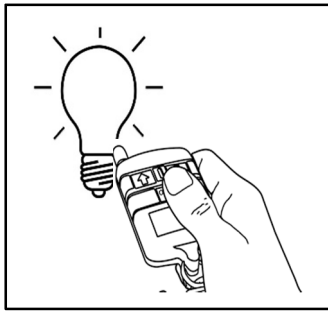

7. RF remote controller

In the event of any unforeseen issues with the application's control functionality or WiFi connectivity – or in case you just prefer more traditional control methods, we've provided an RF remote as a dependable backup solution.

This remote offers another means of managing your smart switch with ease without the need for WiFi connection.
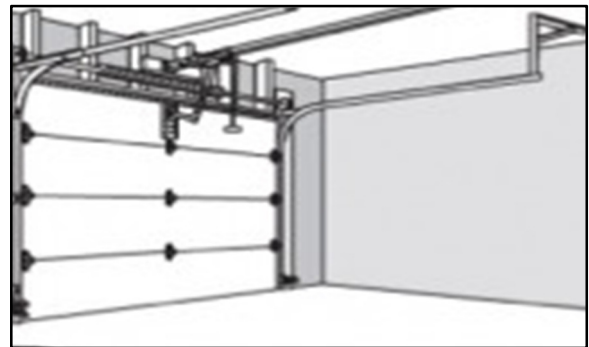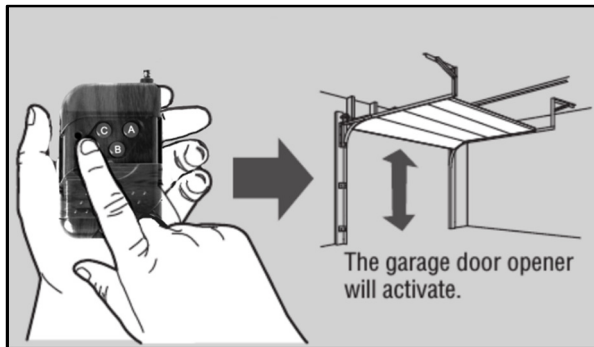
Here's a detailed breakdown of its capabilities :

- **Button A :** This button grants you the ability to effortlessly toggle the attached light or lamp on or off, providing instant control over your lighting.

- **Button D :** With a simple press of this button, you can take full command of your garage door, smoothly opening or closing it as needed.

Furthermore, we understand that customization is key to optimizing your user experience. That's why we offer the flexibility to tailor button configurations according to your preferences. Simply reach out to our dedicated support team via our help site, and we'll be more than happy to assist you in achieving the ideal setup for your needs.

 Domov , Precision in every touch, a scientific marvel for your smart home.