

# Simon|100



INSTALLATION AND  
CONFIGURATION GUIDE  
Simon | 100

**simon**

# INSTALLATION AND CONFIGURATION GUIDE

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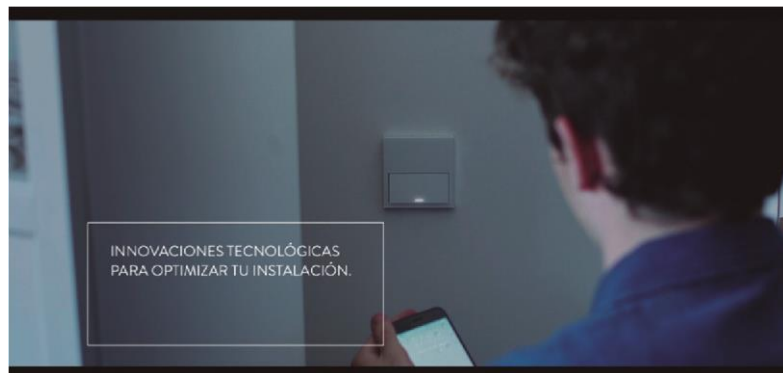




## Simon | 100

### **WELCOME TO SIMON 100 iO**

Following this guide, in a few minutes, you will be able



to enjoy the Simon 100 universe and a flexible installation that can be adapted to your needs at any time.

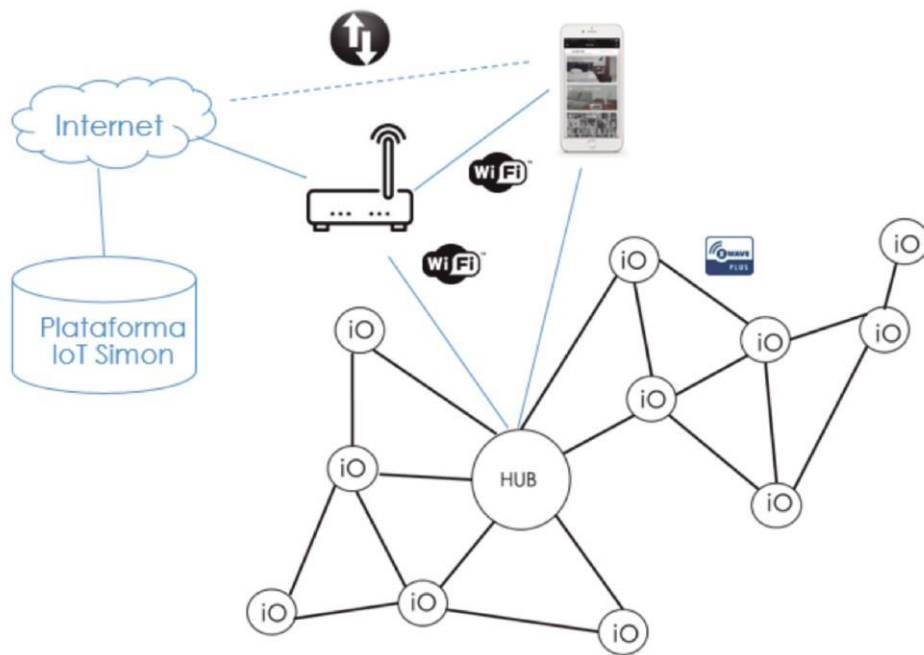
We have developed the Simon 100 iO application for guiding you step by step in every moment, for the high and configuration of the user, installation, advanced functions and for the creation and activation of their experiences.

#### **What is iO?**

Simon 100 is the first collection that integrates the Simon system. A universe, based on the "Internet of Things", in which the switches go from being analog to digital. The solution in a set of advanced solutions, based on wireless technology and installation of a lifetime: without buses or complex configurations. All with the aim that you can talk to your home, wherever you are, in a simple and transparent way.

#### **What can I do with an installation?**

iO opens a world of great possibilities to communicate with you from anywhere, being able to control all your lights, blinds and plugs in a simple way through your mechanisms always and from your App. With iO centralize your blinds, activate and deactivate any Point of light or electrical appliance, and enjoy different experiences that will allow you to improve your comfort, your safety and your electrical consumption.



## 1- DETAILS BEFORE INSTALL

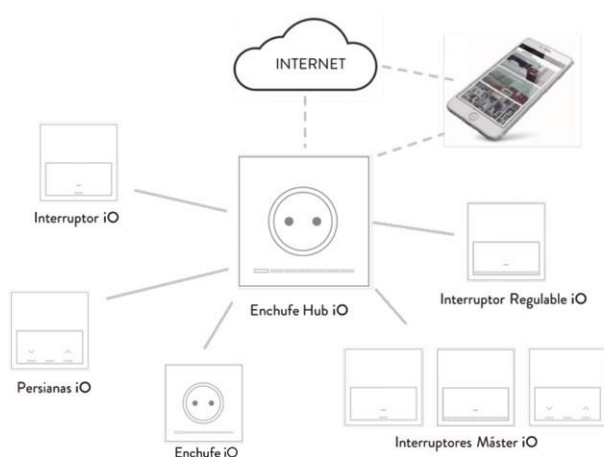
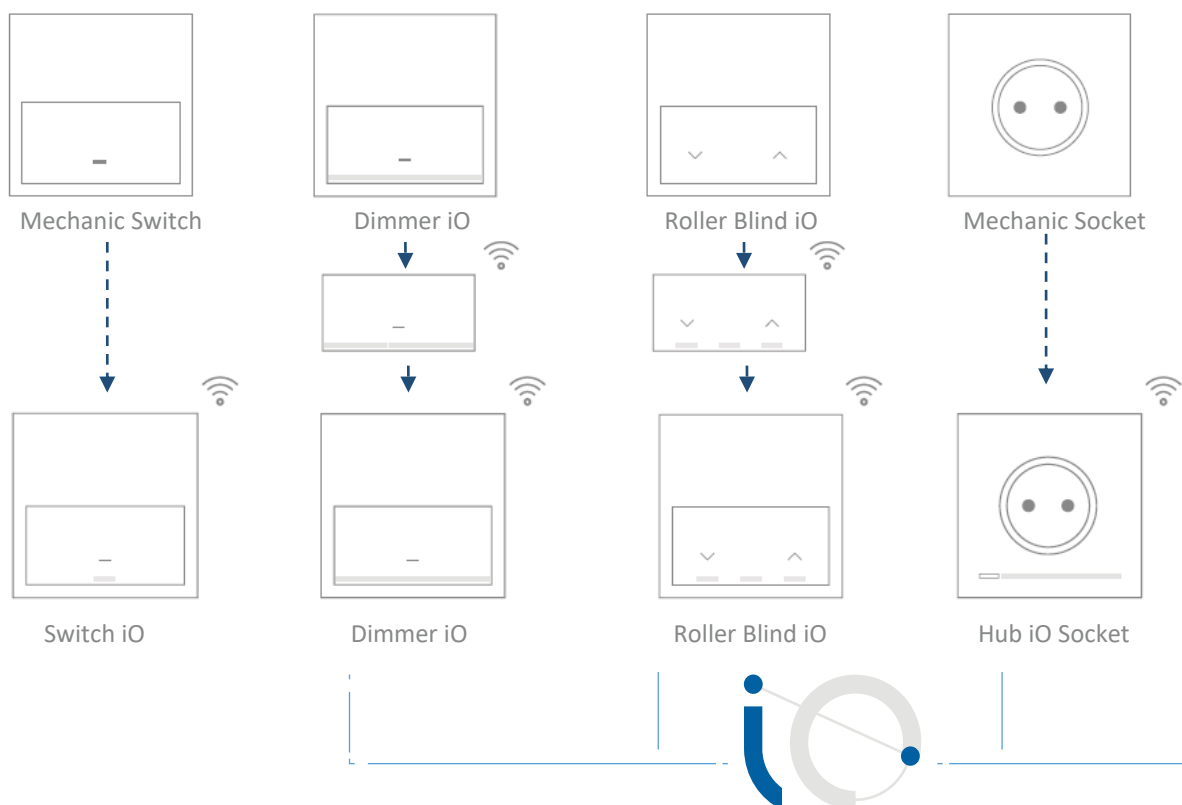
**NEW INSTALLATION.** If you are going to install Simon | 100 in a new installation and has not yet done the electrical installation project, take advantage of this fact apply the concept of S100, being a serie more compact, with size of modules and more compact functions that allow to Rethink and configure the necessary boxes in installation; In addition to providing pre-configured kits for each room.

Even if you know the features or the experiences you want to do, read this document before beginning the installation.

**IMPROVING YOUR INSTALLATION?** If you are installing Simon 100 in an installation upgrade on a new installation and a cable for the traditional switches and

sockets, change the same and update to Simon | 100 does not represent more than a few minor changes such as having an account, such as electronic device power, necessary wiring and switching concept in devices iO Simon.

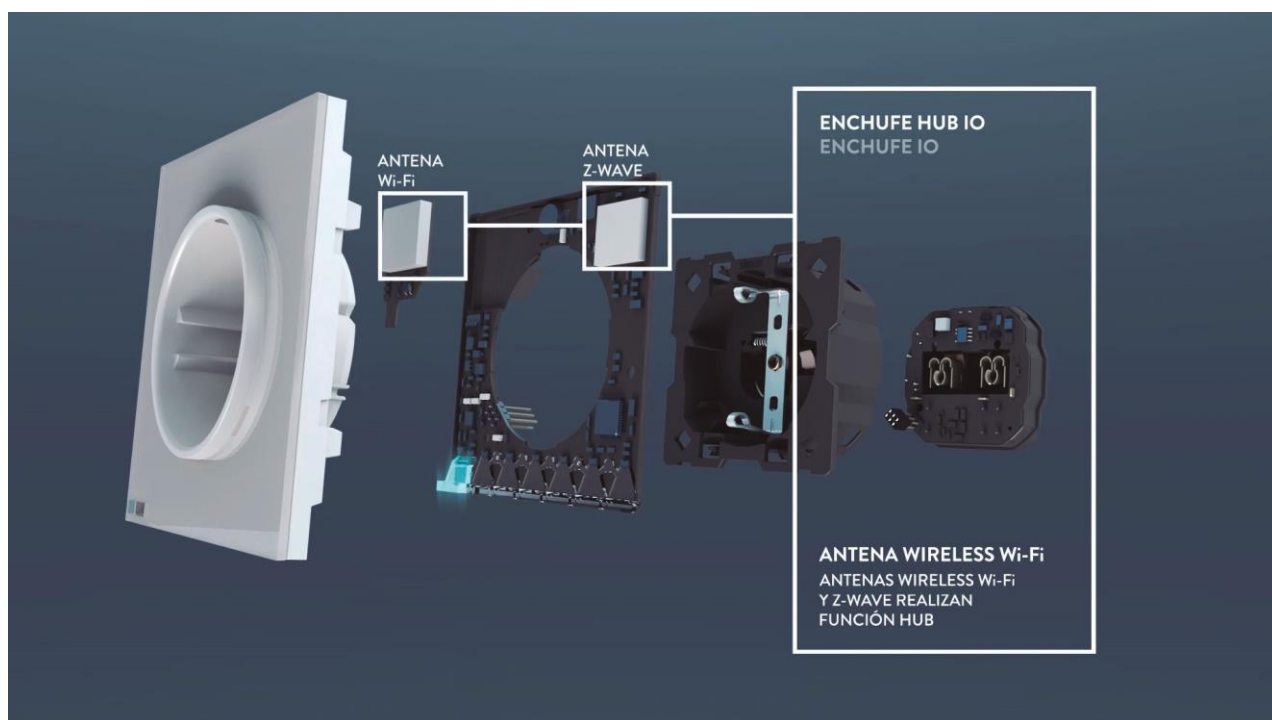
**EVOLUTION.** Your space grows with you. Scalability and devices to Simon. Please note that certain devices such as the DIMMABLE SWITCH AND ROLLER BLIND SWITCH are electronic. This is because it was developed with the iO READY concept, it means that it can convert into smart and add to the SIMON 100 iO network by simply changing the rocker by the iO connective version. In the case of mechanical devices, it is also necessary to change the rear part by its electronic version iO READY and add the corresponding front Rocker or iO.



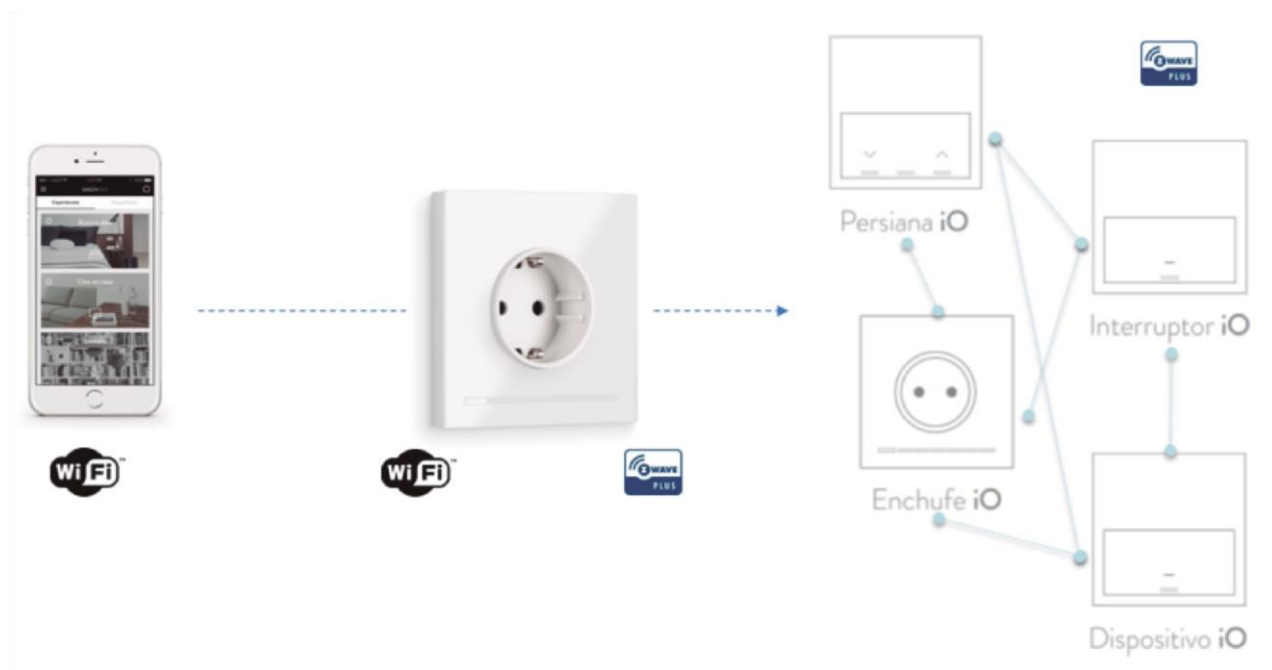
## WHICH DEVICES COMPOSE AN *iO* INSTALLATION?

- Dimmer iO ready
  - Rocker Dimmer iO
- Roller Blind iO ready
  - Rocker Roller Blind iO
- Hub iO Socket
- Socket iO
- Switch iO
- Switch master iO
  - Rocker Master Roller Blind iO
  - Rocker Master Dimmer iO
  - Rocker Master Switch iO

## 2- HUB iO SOCKET



In any case, the first step and the gateway to the world of Simon 100 iO begins with the installation of the Hub iO Socket; An intelligent device that besides being a socket, will provide our installation with a connective and digital dimension. IT WILL ALWAYS NEED TO INSTALL ONLY ONE Socket Hub AT EVERY INSTALLATION iO.



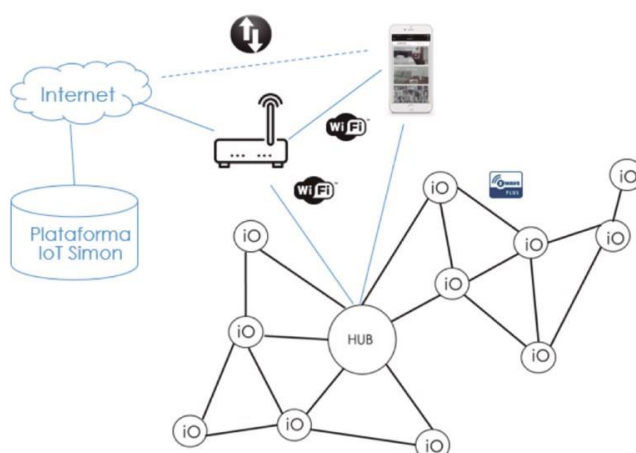


## ALLOCATION

It is very important that the Hub iO Socket be installed as centered as possible in the housing, both in height and in the central part of each floor. For instance, if the house has 3 floors, it would be recommended to install it in a box on the first floor. It is also advisable not to be at one end of the plant, but as far as possible to the center, to have a more homogeneous distribution of wireless communications.

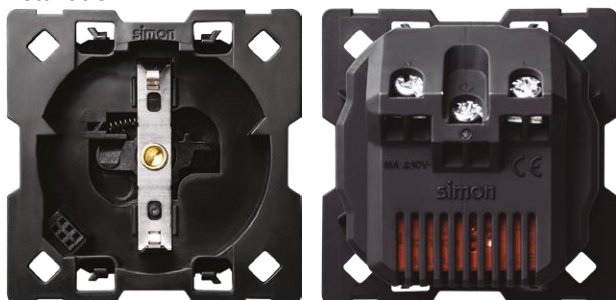


If you plan to remote control iO devices from outside the home, you should also consider where the Wi-Fi router is installed to facilitate communication with the Hub iO Socket. For proper operation in remote mode from the application will be necessary to ensure good Wi-Fi / Internet signal in the HUB.



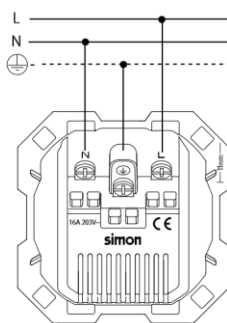
## INSTALLATION

Once specified the placement of Hub iO Socket (ref.10002432-039), we will proceed with the installation.

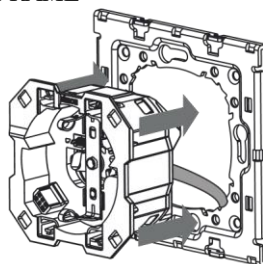


The Hub iO Socket is installed in the same way as any socket, in a universal box. Once your location is selected, proceed to install it following the corresponding instruction sheet:

1. CUT THE TENSION FROM THE CORRESPONDING MAGNETOTHERM
2. FIX THE FRAME TO THE BOX.
3. CONNECT THE CABLES TO THE TERMINALS FOR PHASE, NEUTRAL AND GROUND



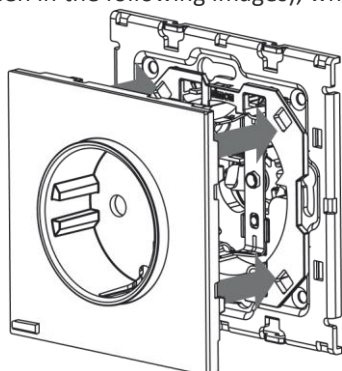
### 4. ASSEMBLE THE PLUG AND PLUG TO THE FRAME



### 5. MOUNT THE FRONT COVER OF THE SOCKET HUB IN THE PLUG BASE

The front HUB iO integrates Wi-Fi and Z-Wave antennas. He will recognize it because it has a blue ring on the front. There are two types of caps or front of the HUB iO, make sure you have the correct one:

- When installing the HUB iO in boxes of 2, 3 or 4 elements will be necessary the front cover in modular format (ref.10003041-13X) to be able to combine with the corresponding frames. It can also be installed in a 1-element box, but it will be necessary to add a 1-element frame (ref.10000610-13X) to complete the solution.
- Soon the front cover will be available in KIT format (ref.10020108-13X), with a clean aesthetic and without cuts (as seen in the following images), which only serves for 1 element box.



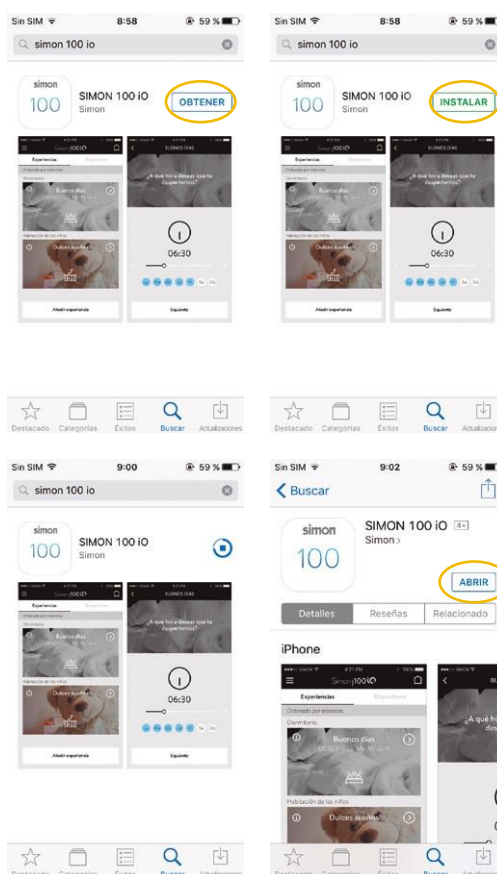
### 3- NEW USER AND INSTALLATION PROCESS

Once the Hub iO Socket is installed and power is restored, you will see a button with a blinking blue LED on the bottom left of the front of the Hub iO Socket. It means that the device is ready to be registered and configured next to the installation.

The first step to register the Hub iO Socket and configure the installation is to create a user account from the App. To do this, you will need the Simon 100 iO App, if you do not already have it, please download it.

#### ¿HOW TO DOWNLOAD THE SIMON 100 iO APP?

The first step to download the Simon 100 iO App depends on the type of device and operating system you have. If you have a mobile or tablet with iOS operating system, for example: iPhone or iPad, enter iTunes, the Apple App Store where you usually download your apps. You will see an icon on your device, identify it, and when you open it, look for the application as "Simon 100 iO".



# CONNECTING TO HUB iO

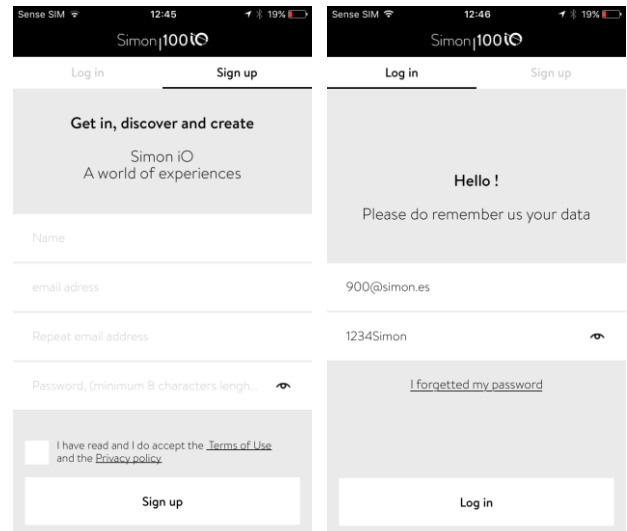
## 1. OPEN THE APP

You will recognize with this Icon:

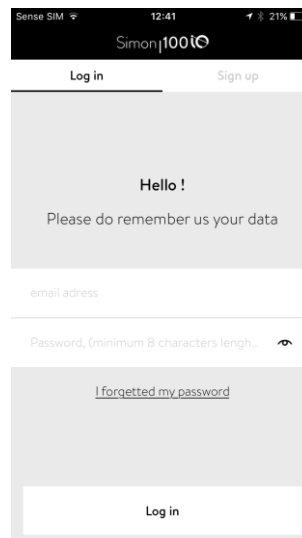


## 2. CREATE A USER ACCOUNT

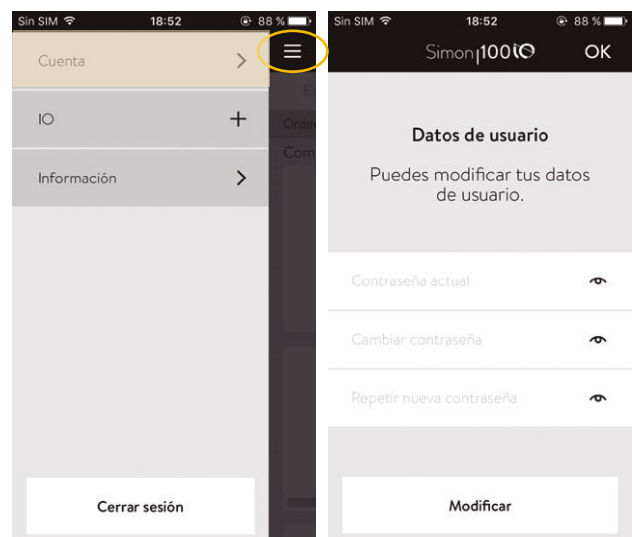
You will be asked for a name, email and password that will be the data that will be accessed in future to make any type of configuration and command. The password must contain at least 8 characters and at least 1 capital letter, 1 small letter and 1 number. Please read the Terms of Use and the Privacy Policy, it will be necessary to check the acceptance box to continue with the registration. Once completed, click on "Register".



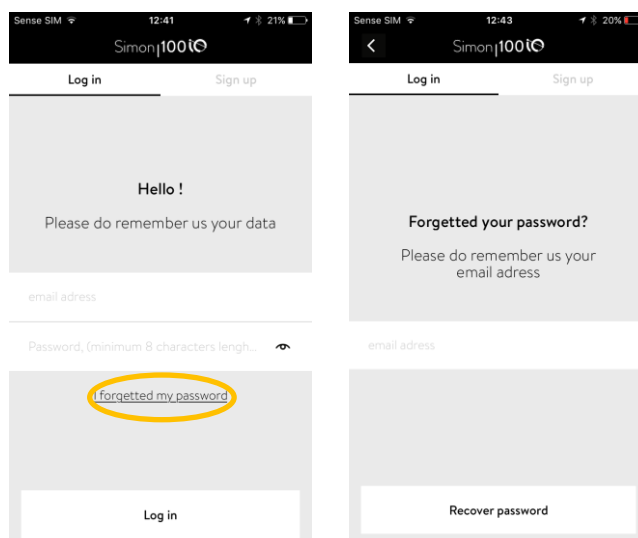
If you already have a user account you can access from the top tab "Login". If you have forgotten your password, you can click on "I forgot my password" and an email will be sent to the address you indicated when registering to remember it.



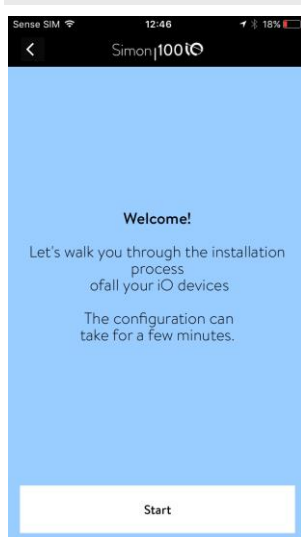
Modify login and password after creating the user account you can modify access data and password. This is done from the main menu > Account and after changing the data click on "Modify".



In Case you don't remember your password you will be always able to remember it using your e-mail address.

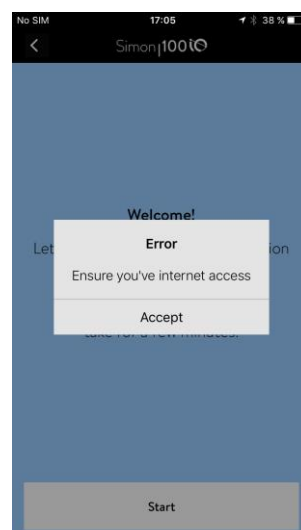


After the user account has been registered and created, the following welcome screen will appear.  
It is important to clarify that TO PERFORM THE PROCESS OF HIGH IT IS REQUIRED INTERNET CONNECTION



Since the user information and registration of the HUB will be registered in the CLOUD or CLOUD. If we did not have Internet connection we will see the following screen:

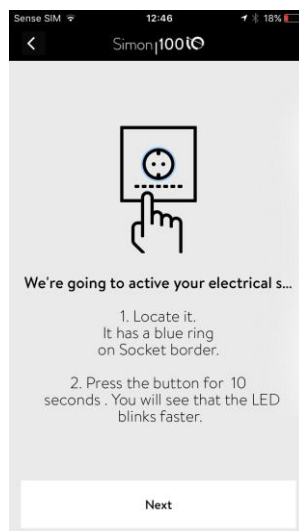
In that case, be sure to go to the Settings menu of your mobile or tablet and connect to a Wi-Fi network or your data network in order to continue the process. The consumption of data in this case will be minimal.



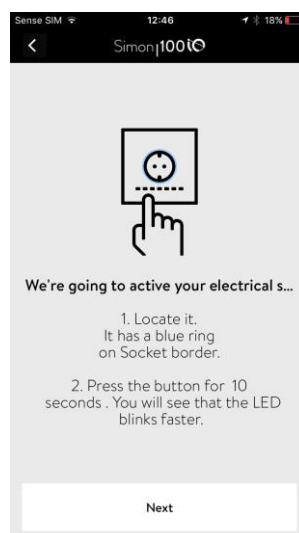
### 3. HUB iO ACTIVATION: LOCATE IT

You will recognize it because it has a blue ring and a button with a blue led flashing in the bottom left of the front.

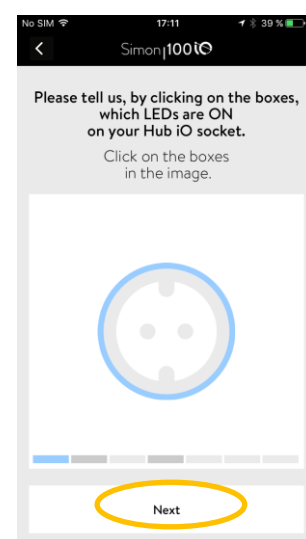
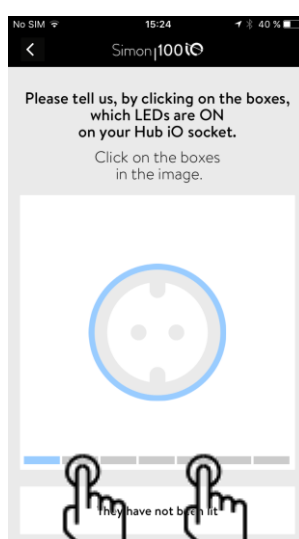
The app will guide you. Click on "Next". Press and hold the button for 10 seconds. You will see that the LED will flash faster; then release it and a few LEDs will light up in the lower area.



In the next screen, we must observe a drawing of the front of the HUB iO, in which the LEDs will light with a unique combination that will identify the number of HUB iO.



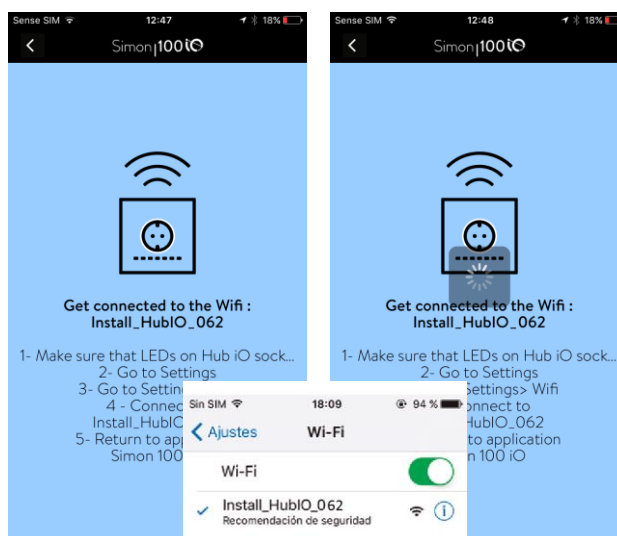
... And you should replicate on the screen of the app which LEDs light up and then click "Next":



#### 4. CONNECT TO WI-FI

Once we register the Hub iO Socket will ask you to connect to the Wi-Fi that generates the HUB, identified in the previous step. To do it:

1. Make sure that the HUB LEDs are still on.
2. Minimize the app, go to the general menu of your mobile or tablets > SETTINGS > WI-FI and connect to the network that will appear as "Install\_HubIO\_XXX", where XXX is the unique number of your HUB iO.
3. Return to the Simon App 100 iO. If for some reason you do not connect, try again.



If the LEDs on the front of the HUB have not been switched on, press the "Do not turn on" button in the app and repeat the process detailed in the previous step.

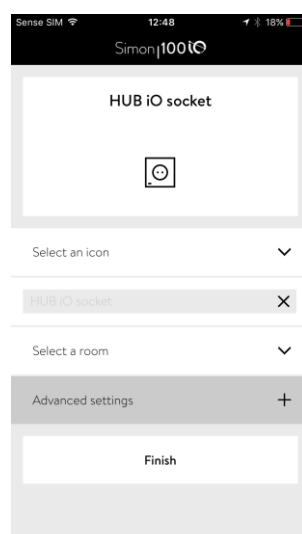
It may have been a long time and the configuration LEDs have gone out. Press "Retry"



When the application recognizes the HUB the following screen will appear:

For both the HUB and all iO devices, you can:

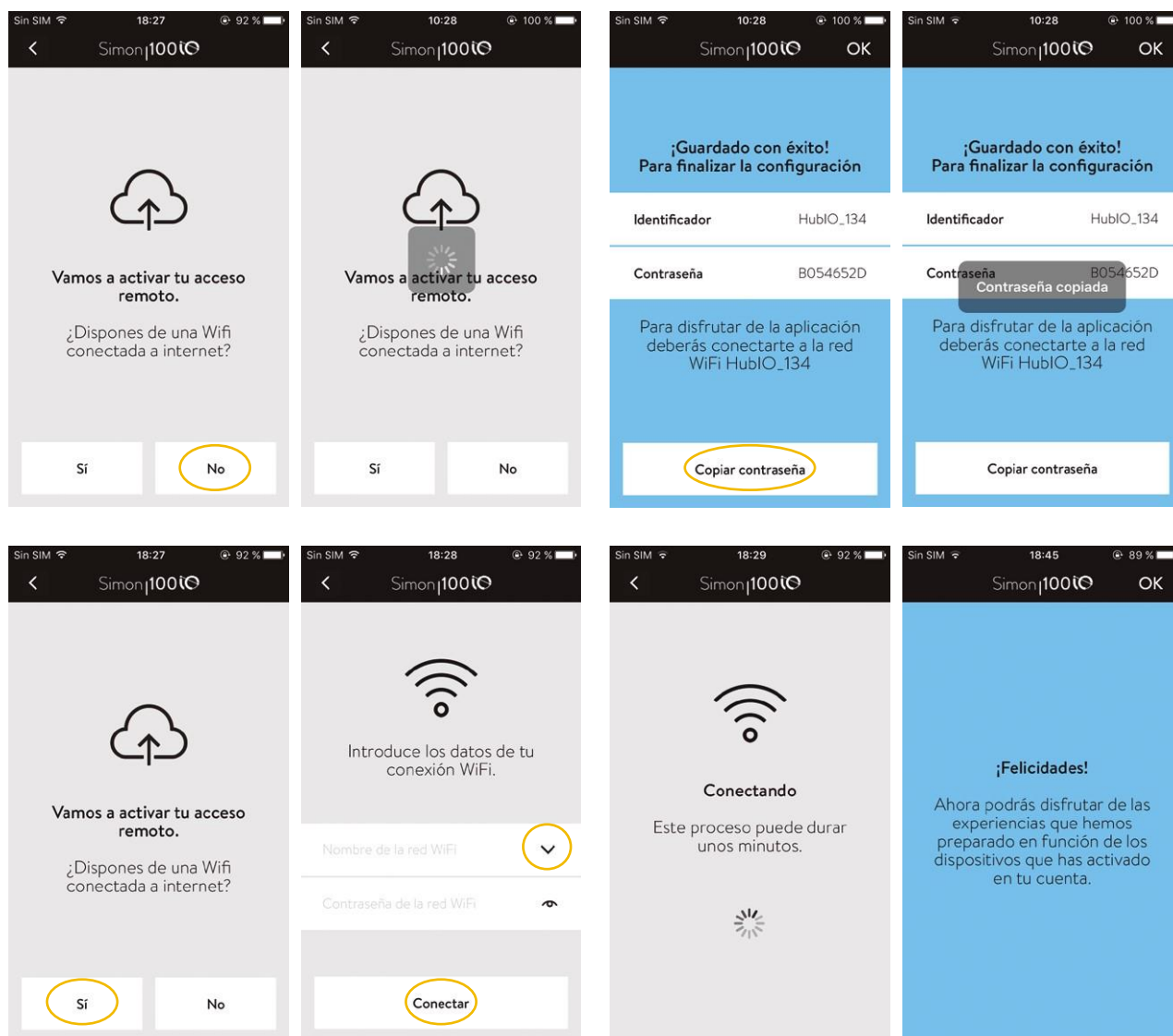
- Select an icon, among several predefined ones in the library.
- Assign a name, modifying the one that already comes by default for a better identification of the same one.
- Select a room, indicating the location of the installed device. You can select one of the predefined ones or add a new one for a better identification of it.
- Perform an Advanced Configuration, for this you can check the corresponding section.



## HUB iO CONNECTION METHOD

Once the first HUB iO connection has been done, you must click "Finish" to complete the installation. The following screen will allow us to activate the remote access, for which, if you click on "Yes" you will request the data of your Wi-Fi connection to connect the HUB iO directly to your Router and allow access from anywhere with your device Smart and the Simon100iO app.

In case you do not have Internet or want to do it later, click on "No". Note that remote access from outside the home will not be possible until you link the HUB iO to your router with Internet but you can use all its mechanisms and interact from the app before connecting to the Wi-Fi of the HUB iO. Be guided by the app:



### IMPORTANT NOTE

If you set the HUB iO working in Access Point mode, all data regarding to Installation details will not be uploaded until Simon 100 iO APP detects that your Smartphone/Tablet gets connected to Internet and APP.

Please ensure to close your session once installation changes are done, Simon 100 iO APP will request to get connected to internet in order to upload your installation details.

## HUB UPDATE

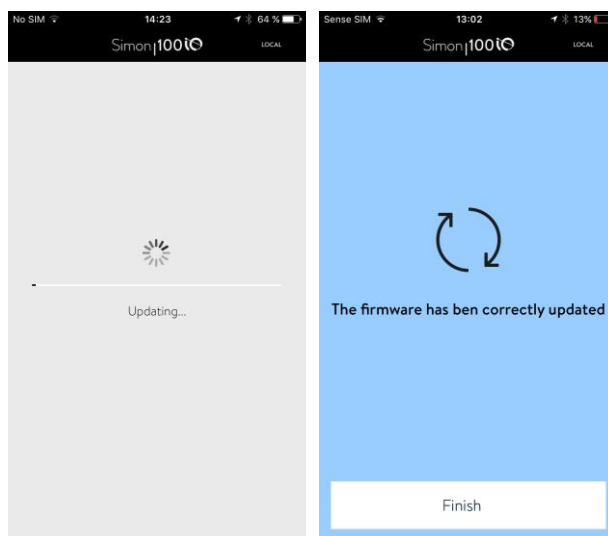
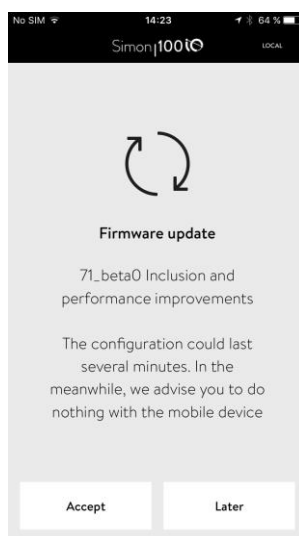
We are always trying to improve your experience with Simon 100 products range. Due to this fact Simon can update the APP the HUB iO software or both.

There can be some mandatory updates or optional updates. In both cases you can access to update Screen via Home warning or Menu > Installation data > Firmware update.

Select Accept to start the HUB iO update process

During the HUB iO update, the device will be reset and changes will start to work. If you have the HUB iO in Access Point mode, the Wi-Fi Network HUB\_iO\_XX will disappear for a while. → Please ensure that once the HUB\_iO\_XX network disappears, your SmartPhone / Tablet does not connect to other WI-FI network but connects to HUB\_iO\_XX when it appears again (you should go to Settings > Wi-Fi on your smartphone or tablet > and take care of connect to HUB\_iO\_XX. You must be connected to the HUB\_iO\_XX in order to grant the correct update process.

Poor Wi-Fi signal or huge Wi-Fi bandwidth usage can cause that update process don't success. You can try again until HUB iO update completes properly.



## 4- APP SCREENS

Simon 100 iO APP has 2 main screens, And a Top area that will allow you be connected with you home.

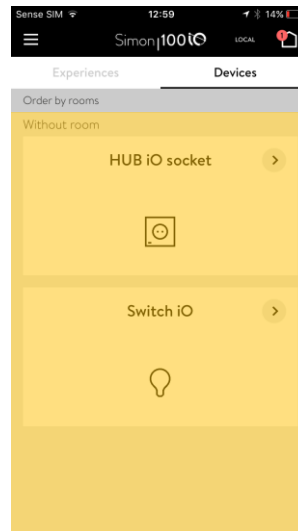
### DEVICES SCREEN

On this Screen all devices that controls you can interact with your installation using the touch areas.

This screen also offers the possibility to access the configuration device options where Name, Room, Icon and advanced device configurations can be modified.

Masters will not appear on this screen as they don't control

View "ADD A \*\_DEVICE\_\*" to learn more about interact possibilities.

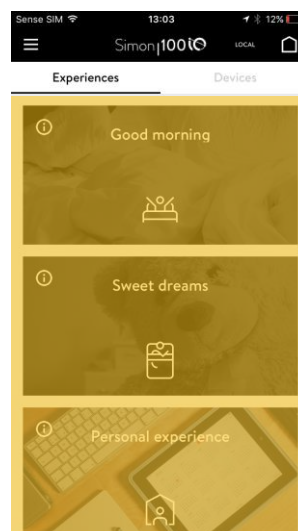


### EXPERIENCES SCREEN

On this Screen you can activate or your experiences.

Up to 30 experiences can be created and activated via Masters or Schedulers.

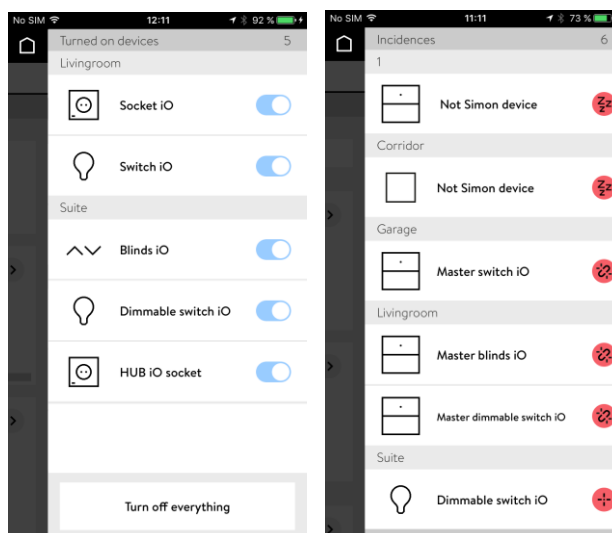
In case of having no experience a list with all types of experiences available will appear.



## HOME AREA

On Home, all important information will be listed.

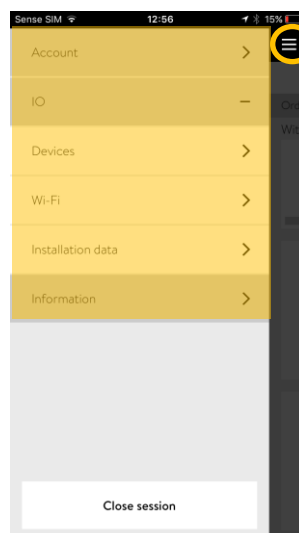
- Devices that needs to be calibrated, Masters with no defined use, Devices with comunicacion problems. Pressing the Advising icon you will access to device configuration in order to solve the reported issue.
- HUB iO Updates are some messages that will be listed on this home area. -> In this case it will appear a waring over the Home Icon.
- Active devices will also appear on this area and you will be able to turn off all.



## MENU

The menu allows manage other options rather than activate devices.

- Manage your account details.
- Manage your devices, Wi-Fi connection, and Data regarding to Installation and HUB iO.
- Get information about terms of use.
- Close your current Session.



## 5- ADDING DEVICES

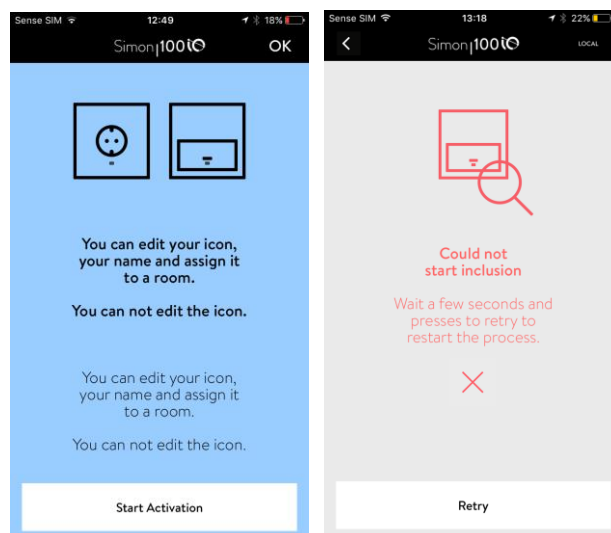
Once we got the HUB iO connection established we can start to add devices

Once you add iO devices, you will see the different rooms created (sorted alphabetically) where each one is located. To continue the registration process click on "Start Activation".

Once the HUB iO SOCKET has been registered, the other devices of the Simon 100 iO installation are ready to be registered and linked.

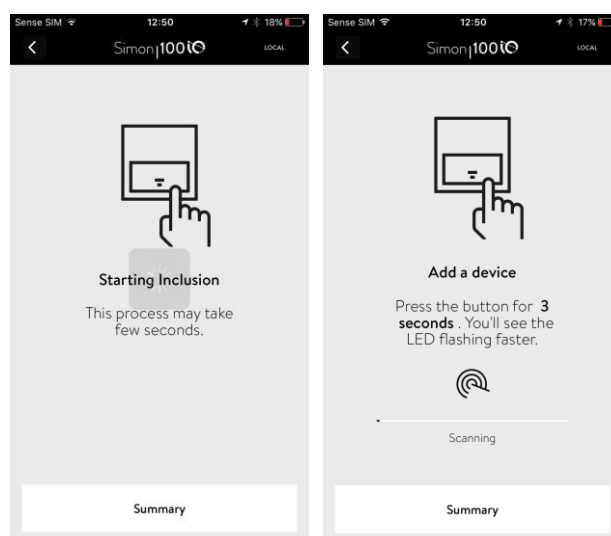
If you do not have other devices installed yet, check the Instruction Sheets before proceeding with the inclusion process on Simon 100 iO application.

Sometimes the HUB iO can be performing some internal processes, in that cases HUB iO can reject the adding inclusion requests from the APP. -> Please try again in a few minutes.

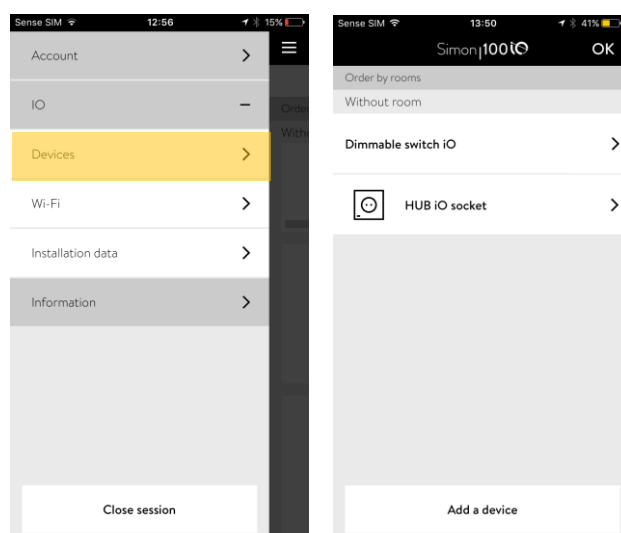


Once you try to ADD a device Simon iO Application will show "Starting Inclusion Screen" while the HUB iO must perform some internal configurations.

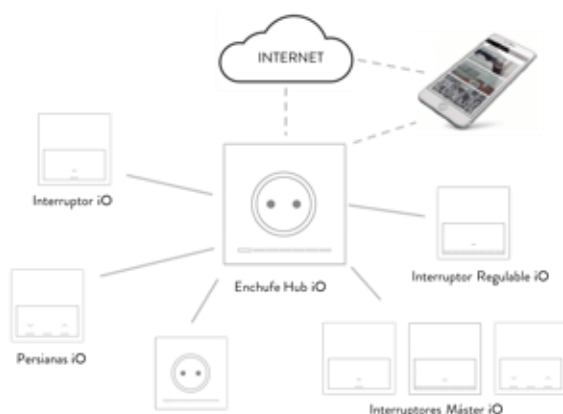
And will request the information from the device to be add while APP shows the message "Add a Device" -> during this time you must proceed to add the device.



If you already have your installation Simon 100 iO and you want to add a new device, you can access to ADD Devices via Menu > Devices > button Add Device.



The configuration procedure is similar on all devices, but it is important to note that for a correct installation we must first register, in a certain order, the devices closest to the Hub iO Socket to the last, the farthest.



When you are trying to ADD devices to your Simon 100 iO installation:

In case of SIMON Devices:

- You will notice that, it will have a LED blinking: on the front, for the iO plugs (as we show above) and the Rocker for the rest of the devices: iO Switches, Adjustable Switches iO, Roller Blind iO and iO masters, as we see in the following image:



Switch iO

Dimmer iO

Roller Blind iO

Master iO

- The blink on Central LED indicates that the device is not associated with the iO installation. If device is not a Master it works normally by physical actuation according to its function (plug, switch, etc.), if device is a Master it has no individual function, it works like additional commanding point, as will be explained later.
- If central LED is not blinking the device will be linked to other Z-Wave installation. You must press 30 seconds to reset the device to factory settings before ADD this device to the current Simon 100 iO installation.
- To add the device to the network, press and hold the button or Rocker for 3 seconds. You will see that the LED will blink faster, the application will scan the network and the device added to the network will automatically be recognized.

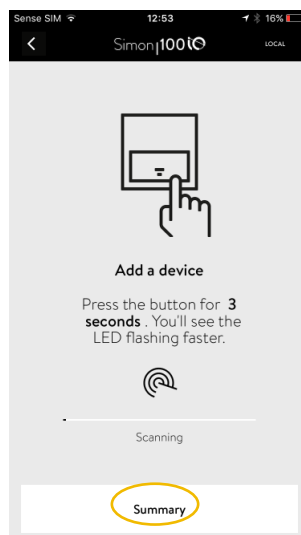
In case of Devices from other manufacturers:

- Ensure that device is not in other Z-Wave network.
- Put the device into inclusion mode following the manufacturer instructions.

## ADDING SIMON DEVICES

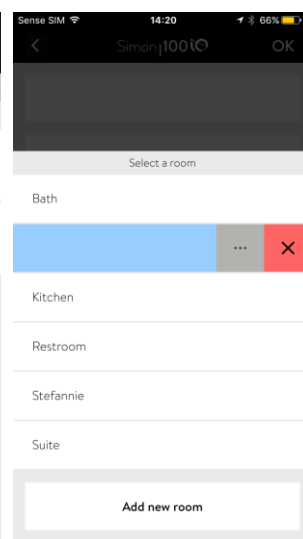
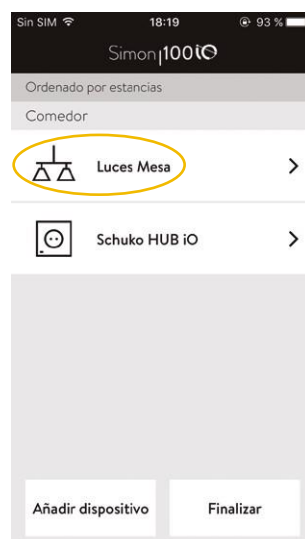
### ADD A SWITCH iO

Once the device is added, the application will recognize the type of function that has been installed and a screen will be displayed to indicate in which room it is installed and the possibility of assigning a name and icon to the installed device. You can also assign advanced settings to each device, as will be explained later.



In the following example we changed the icon, assigned the room "Dining room" and changed the name to "Lights Table", for a better visual identification that corresponds to the actual room:

Rooms can be created or deleted selecting Add New Room or moving the room to the left.



When adding the device, in this case an iO Switch (but it is for everyone) you will see that the application screen has a "Rocker", an interactive area on the icon that can be activated and that changes color to the Press it. With the touch you will be acting in the same way as you would from the installed physical Switch. It is a way of verifying that the device has been recognized and that the load is switched on by pressing the physical Rocker or the virtual icon:



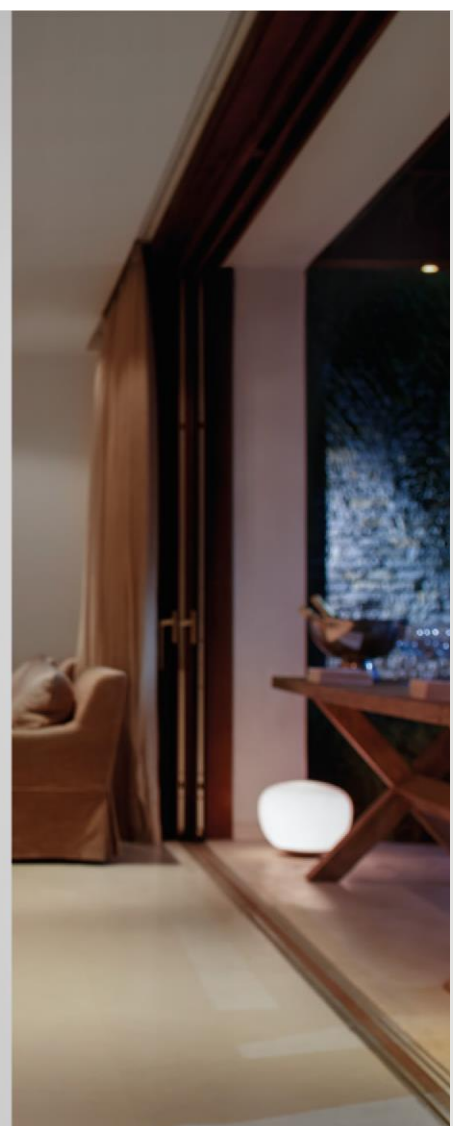
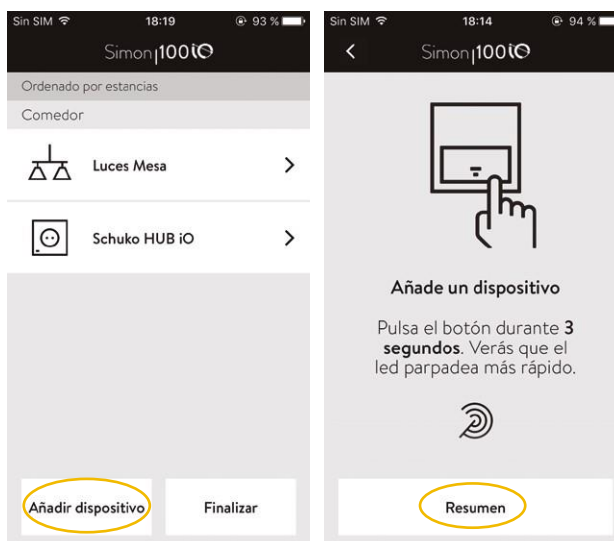
OFF (Light OFF)



ON (Light ON)

To continue adding devices, click on the button "Add Device":

Once HUB iO is waiting for a device information to be added, it is possible to cancel an inclusion process by selecting "Resume" button:



## ADD A DIMMER iO

In the case of adding a Simon Dimmer iO, you will see that the application will automatically recognize that it is a Dimmer.

By default, all adjustable electronic switches need to be calibrated according to the type and power of the associated light source.

For more information on the compatibility of light sources see our website or write to [sat@simon.es](mailto:sat@simon.es).

A legend in red will appear at the top of the screen indicating that the device needs calibration. Click on it and it will be calibrated automatically. This must be done the first time and every time for some reason we change the light source.



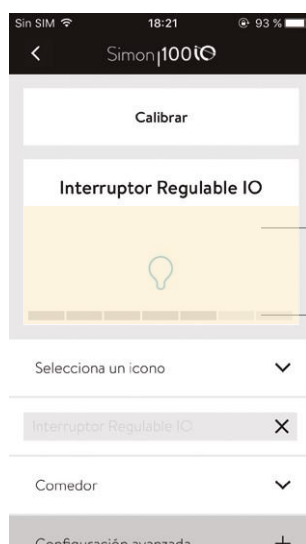
App Auto adjust action

Rocker Auto adjust Action

We can do it from the app by clicking on "Calibrate" or from the physical mechanism by holding down the Rocker for 10 seconds. It should be noted that the calibration procedure from the Rocker is valid for both the iO connective Rocker (ref.10001020-13X) and the non- F.10002020-13X).

As mentioned above, when adding the DIMMER iO (but it is the case for everyone) you will see that the application screen has a "Rocker", an interactive zone that simulates the touch surface of the physical Rocker to be able to regulate the lights To the desired intensity (or in memory). By pressing on the icon the load can be activated, just like the physical Rocker and will change color when pressed.

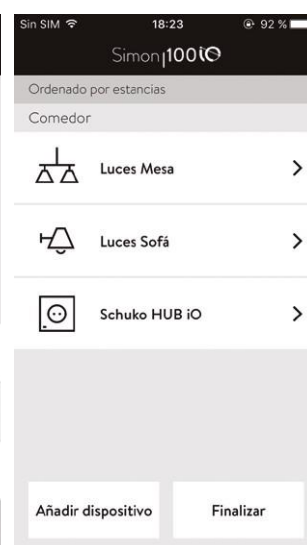
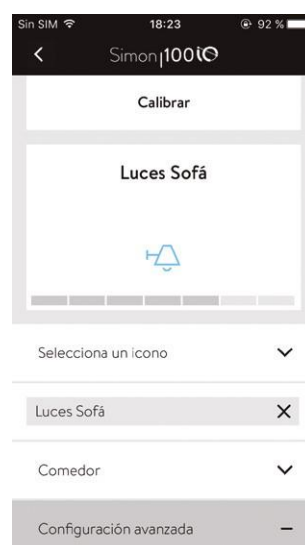
The interaction will be similar to the physical Dimmer installed. It is a way of verifying that the device has been recognized and that the load is switched on by pressing the physical Rocker or the virtual icon:



Touch area  
ON/OFF and dimming value

LEDs  
Show the dimming value

In the example we changed the icon, we assigned the room "Dining room" and we changed the name to "Lights Sofá", for a better visual identification that corresponds to the real place.



## ADD A ROLLER BLIND iO

In the case of adding an ROLLER BLIND iO with Rocker Connecting iO Blinds, you will see that the application recognizes Automatically that it is a blind device connective.

By default, all Roller Blinds need Calibrated according to the power of the associated motor. At the top end of the app screen, a Legend in red indicating that the device needs to be calibrated. Click on it and it will be calibrated automatically. We can do it from the application by clicking on "Calibrate" Or from the physical mechanism by holding down The Rocker for 10 seconds.

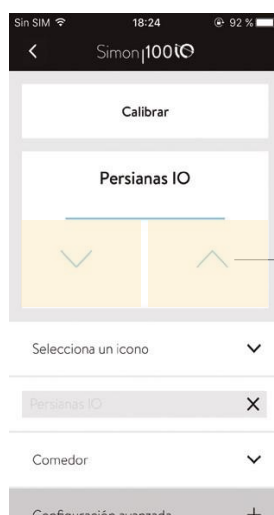


Calibration From APP



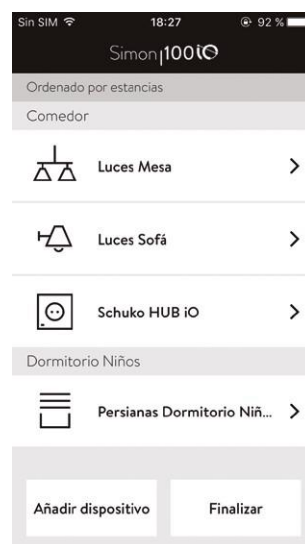
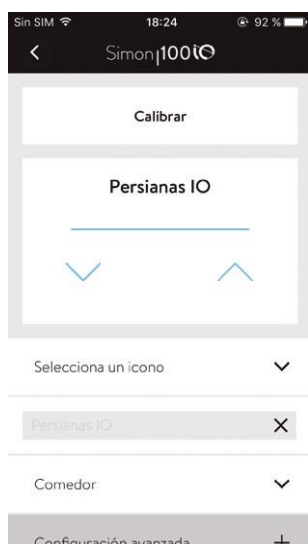
Calibration From Roller Blind

As mentioned above, when adding the Roller Blinds iO (but it is the case for all) will see that in the Application screen has a "Rocker" or hotspot That simulates the tactile surface of the physical Rocker to be able to lower And raise the blinds, with drive simulation. Each icon (arrow) can be activated, just like the Rocker, and will change color when pressed. The interaction will be Similar to the Roller Blinds iO physical installed.



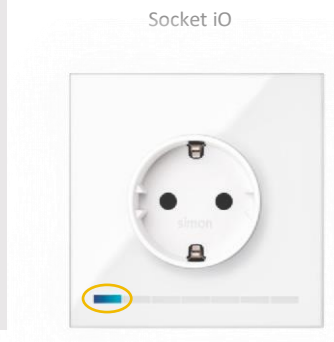
Touch Area to UP DOWN OR STOP  
Sunblinds

In the example of the change Icon, we assign the room Custom "Bedroom Children and he changed the Name to "Bedroom Blinds", For better identification Visual matching To the real room:

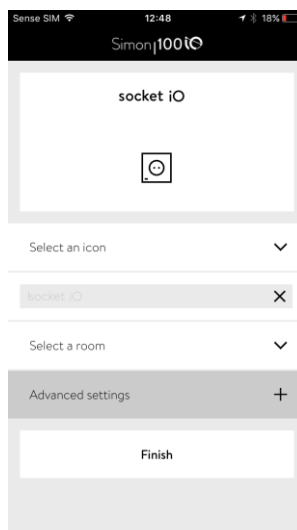


## ADD A SOCKET iO

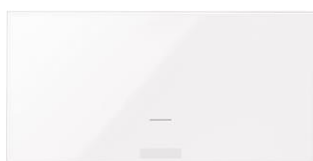
To add an iO Socket to the network press the button on the front for 3 seconds. You will see that the LED will flash faster, the application will scan the network and the device added to the network will be automatically recognized.



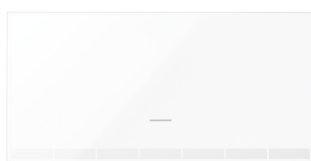
Once the device is added, the application will recognize the type of function that has been installed and a screen will be displayed to indicate in which room it is installed, giving you the possibility of assigning a name and icon to the installed device. You can also assign advanced settings to this device.



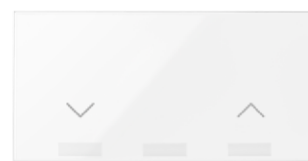
## ADD A MASTER iO



Master Switch iO Simon



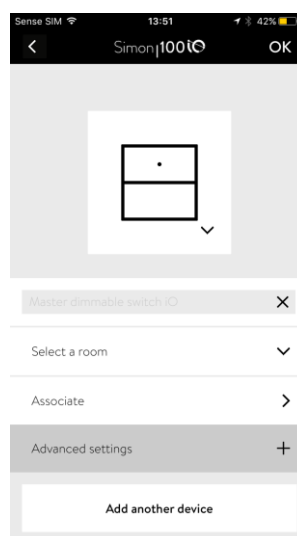
Master Dimmer iO Simon



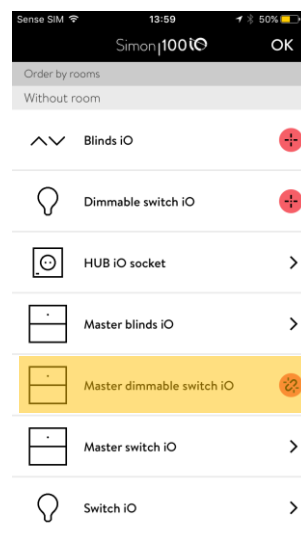
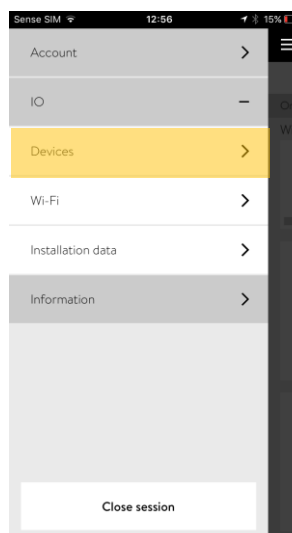
Master Roller Blind iO Simon

The iO Simon Master Switches allow you to activate experiences by pressing the mechanisms in the usual way. As you are used to work with common devices. In addition, they unify the most common tasks and allow you to add solutions according to each need without changing the traditional installation of the home. They are installed and associated as masters of similar devices, grouping or centralizing functions or linking to activate an experience. Transfer actions from one device to another that give flexibility to changes in distribution or expansion of access points. To add iO masters, you must follow the same procedure as with each of the iO devices.

The app will automatically recognize that the master is assigned and the type of function of the Rocker master Roller Blind iO, Rocker master Dimmer iO or Rocker switch master iO and it will be reflected in the following screen:



Master devices will not appear on devices screen, you can access to their configurations and associations through Menu > Devices.



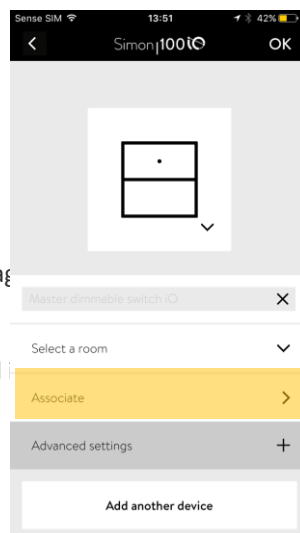
## MASTERS ASSOCIATION

The Master Switch can Manage 3 types of controls:

- Manage 1 unique device.
- Activate an Experience.

The Master Roller Blind iO and Master Dimmer iO can manage:

- Manage 1 unique device.
- ~~Activate an Experience.~~
- Manage a group of devices (Rocker master Roller Blind iO)

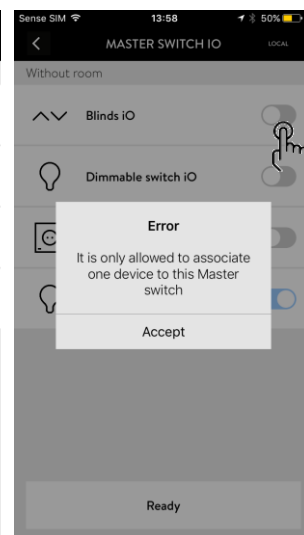
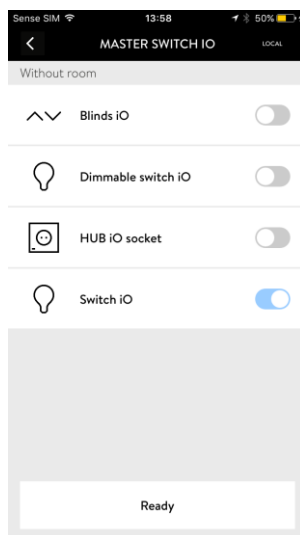


For cases a) and c) you can select the device that the Master has to control on MENU > IO > Devices > Master Device, or via Home Screen and then go to Associate > Select the device/s to be associated.

Master Roller Blind and can only manage devices Roller Blind iO as Master Dimmer can only manage devices Dimmers iO.

In case of try to add more devices than supported it will appear a popup showing the discrepancy.

For case b) you should create an experience and select the master as trigger of this experience. Review Experiences explanation to learn more of how to add Master as trigger of an Experience.

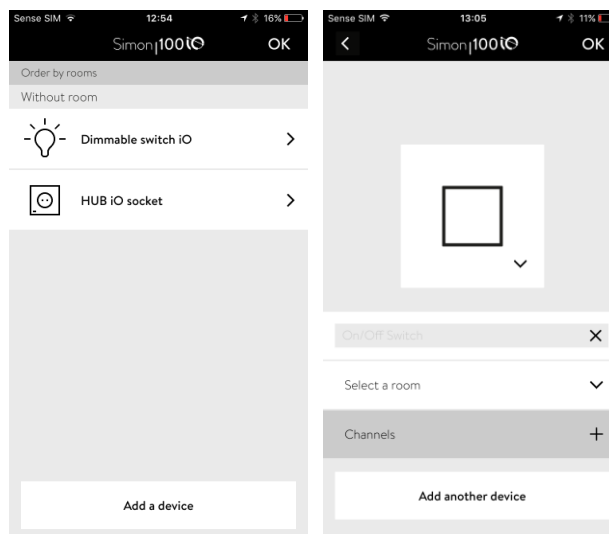


## ADD A DEVICE NO SIMON

To add a Z-Wave device from other manufacturer review how to add the device into a Z-Wave network on its datasheet.

Select Add device on Simon 100 iO Application and add the device.

Once HUB iO is including, you have to follow the manufacturers adding process.

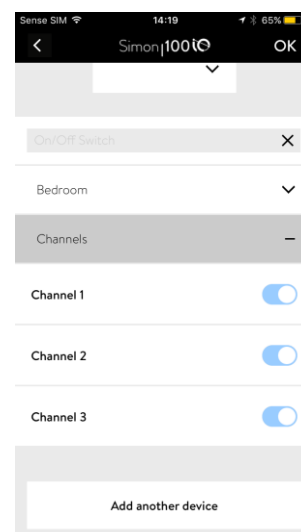


## ADD DEVICES OF HC08, HC09 AND HC10

Simon 100 iO Application will allow you interact with Switches, Light dimmers, shutters, using Basic On and Off commands. Setting the device types as default names.

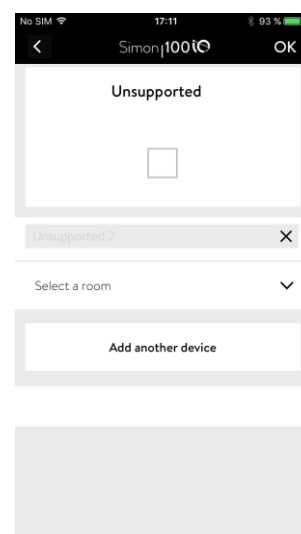
In case of multichannel devices you will be able to control each channel from the advanced configuration.

For switches that reports KWh you will obtain the consumption of this device on advanced configuration.



## ADD DEVICES OF OTHER HOME CONTROL GROUPS

Simon 100 iO Application will allow you interact with other non-supported Z-Wave devices via Basic On and Off.

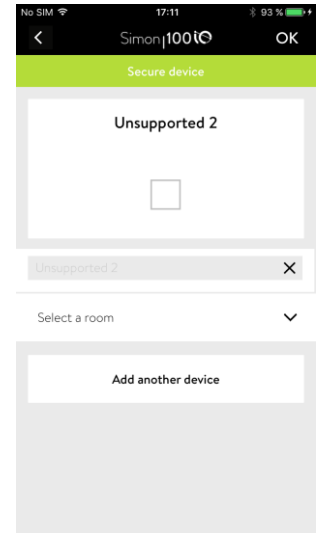


## ADD SECURE DEVICES

In case of manage devices that can be managed with security Simon 100 APP will inform about the security inclusion status.

In case of having a secure device that is being managed without security due to problems during the adding process, APP will show a red message in order to request user to include it again.

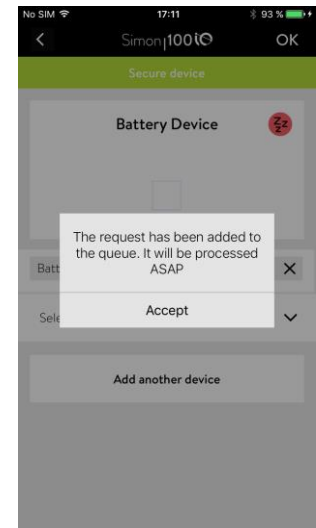
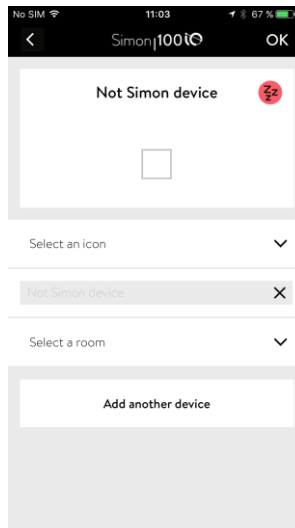
In case of having a secure device that is being correctly included and is managed with security, Simon 100 iO APP will show a green message informing about that feature.



## ADD BATTERY DEVICES

In case of manage battery devices Simon 100 APP will show them with a “Zzz” Icon informing about their special state.

Simon 100 iO APP will allow you to manage battery devices requesting to HUB iO to queue messages that will be sent once Battery devices performs Wake UP → Once device is awake HUB iO will send the information required and send the battery device to sleep.

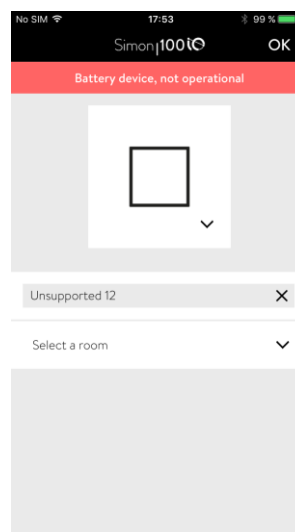


### NOTE:

Battery devices are only operational in case of HUB iO 100 is the Master controller (SIS). Otherwise a warning message will be shown to advise that devices cannot be managed.

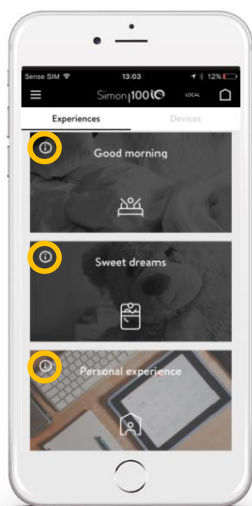
### NOTE:

Battery devices included out of Simon 100 iO APP will needs to be included again through APP in order of being correctly identified.



EXPERIENCIA:  
BUENOS DÍAS.

## 6- EXPERIENCES



Experiences are solutions that allow you to activate your space and interact differently with it, to make your life easier.

You can perform up to 30 experiences. In each of the experiments, as many devices as we want will intervene, taking into account the limit of the complete installation to 232 devices.

The type of device or function added to each experience will depend on what you want to do.

Within the EXPERIENCE created, in the ADVANCED CONFIGURATION of each device associated to the experience can be modified different parameters, these will depend on the type and nature of the associated device. For example, a switch iO connected to a lamp can only turn it on or off, if we want to regulate the light intensity, we must link an Dimmer iO, then in the advanced configuration will allow us to indicate the desired light level, a percentage between 0 and 100%.

You can get information about each Experience pressing the INFO icon.

*Only Simon iO Devices can be configured on Experiences.*

### GOOD MORNING

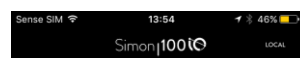
This type of experience allow to design a comfortable wake up.

GOD MORNING needs at least one dimmer iO and cannot be performed if you do not have any dimmer iO in a Room. Dimmers iO, Roller Blinds iO and Switches and Sockets can form part of GOD MORNING Experience,

Example of Good morning Experience:

**7:10:** The light goes on slowly in your room.

**7:30:** Your blind opens until you see the sunlight and your Socket iO is activated to turn on your coffee machine.

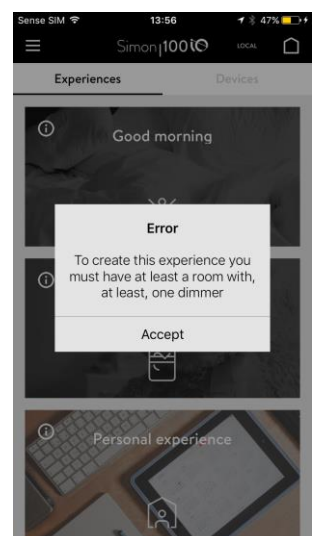


#### Good morning

Lights and blinds goes at your preferred rhythm in order... wake up.

Lights gets on slowly in your room. Your blind opens u...

Accept



#### Error

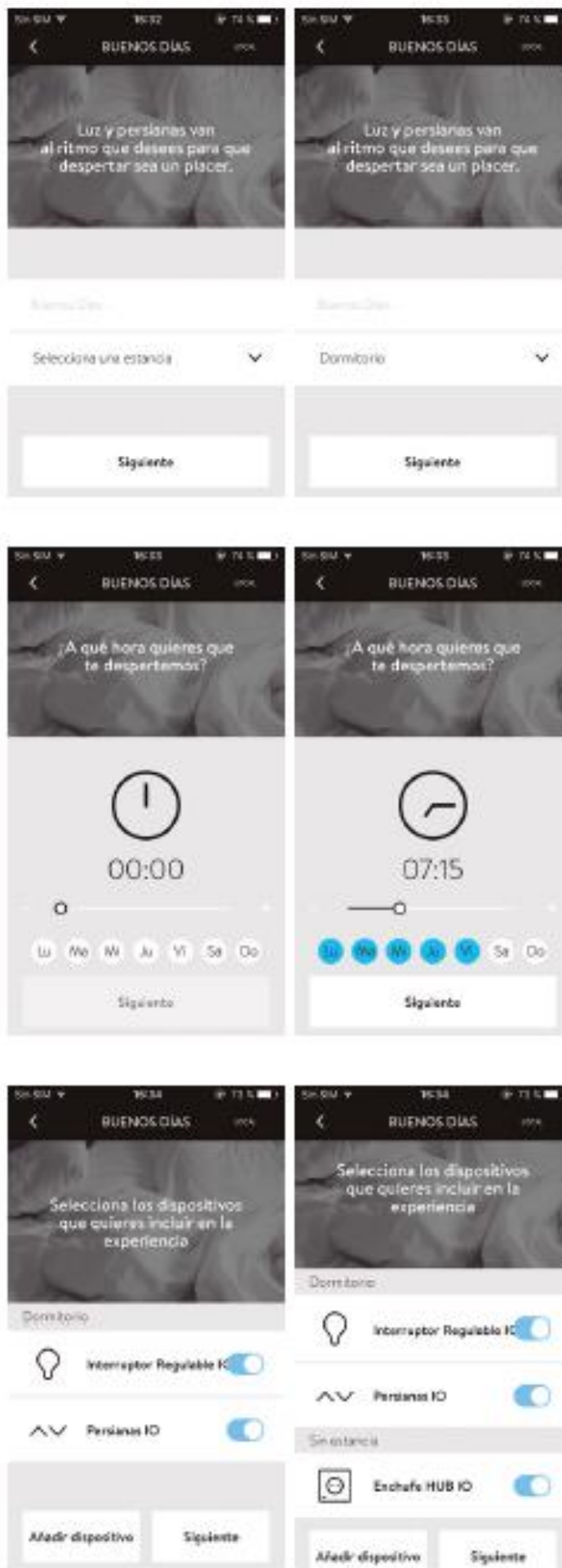
To create this experience you must have at least a room with, at least, one dimmer

Accept



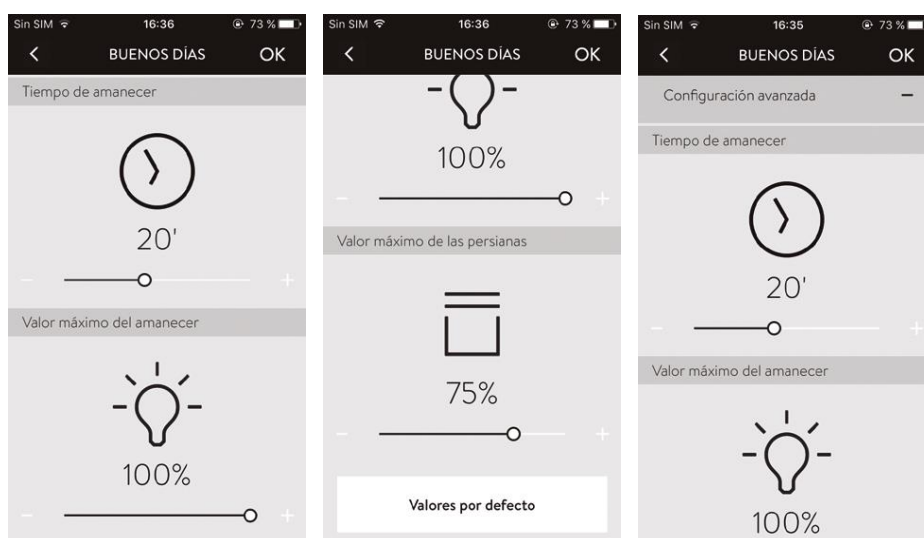
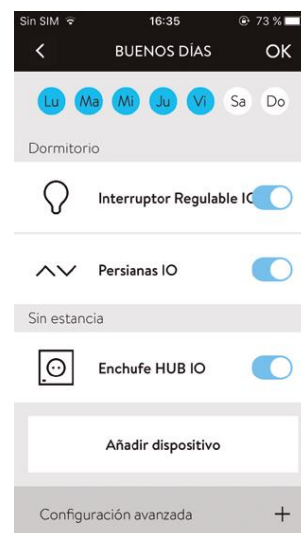
Devices involved in the experience GOOD MORNING:

- DIMMER iO, which will control the regulation of the light of the room to the desired value indicated in the application.
- SOCKET iO, in which a coffee maker, a bread oven or a boiler or any appliance to be switched on will be connected.
- ROLLER BLIND iO, who will command the opening of the blinds to the desired level indicated in the application.



Advanced settings allow you to configure:

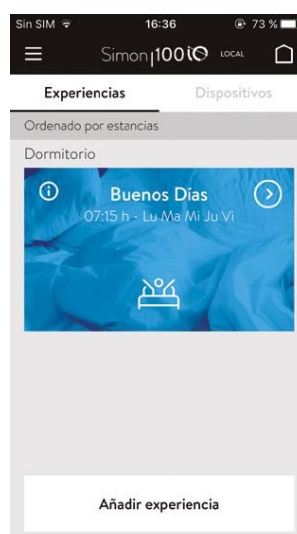
- Sunrise Time: is a value, in minutes, that indicates the time period prior to the set time for the experiment to be completed at 100%. For example: yes We scheduled the experience by 7:30 am. And in dawn time we indicate 20 'this will be the previous period (i.e. from 7: 10hs.) In which the experience will begin to act, little by little.
- Maximum values, of each device linked to the experience. For example: if you select 100% on an adjustable lamp, you will start to adjust the intensity of The light gradually until reaching the maximum possible. The same with the opening value of the blinds, in the example below, to 75% maximum.



The Experience setup is complete, you will see the next screen, colored in blue because it is an Active, Scheduled Experience.

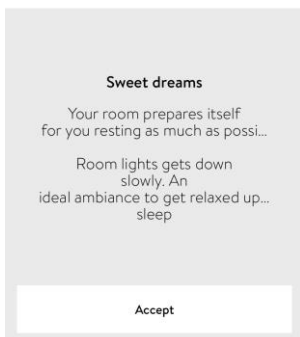
Experiences that do not have weekly programming or that schedule is not enabled will be shown in grey. If scheduled experiences are enabled they will be down in blue.

Some experiences can be virtually activated, turn off all lights for instance. It is usually performed remotely and activated by clicking on the experience.



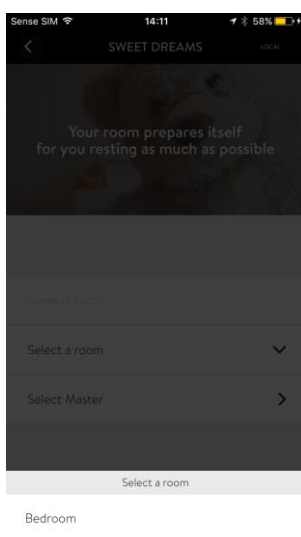
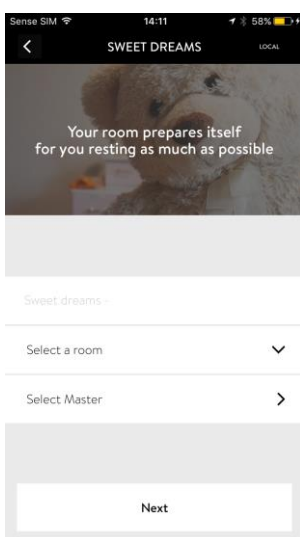


## SWEET DREAMS

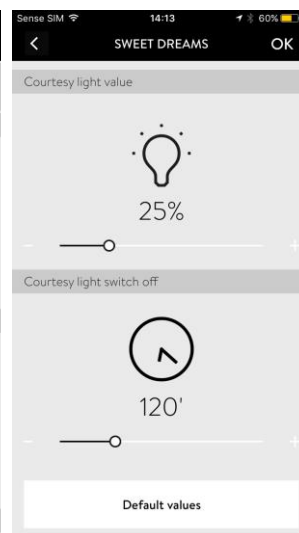
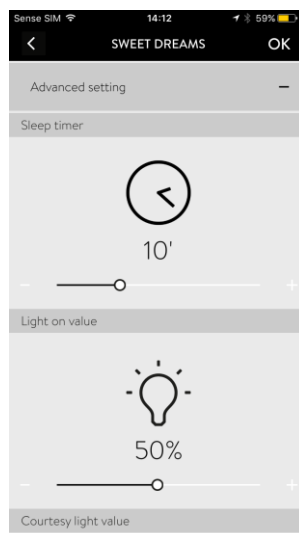
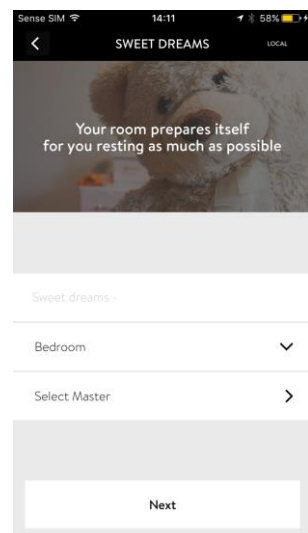
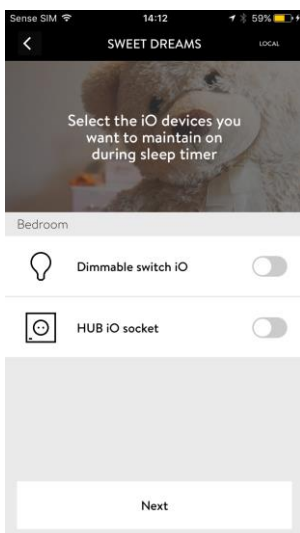


If you have a room with at least one Socket iO, one Dimmer and one Master Switch, you can grant a suitable dreaming start to your children.

Dimmer will decrease its level for a while, and turn the courtesy light of Socket iO while your child dreams starts



Advanced configuration allows to set the dimming value that will be set on the Dimmer iO during the sleep timer and the LEDs intensity of Socket iO until Courtesy light switch off time is finished.



## PERSONAL EXPERIENCE

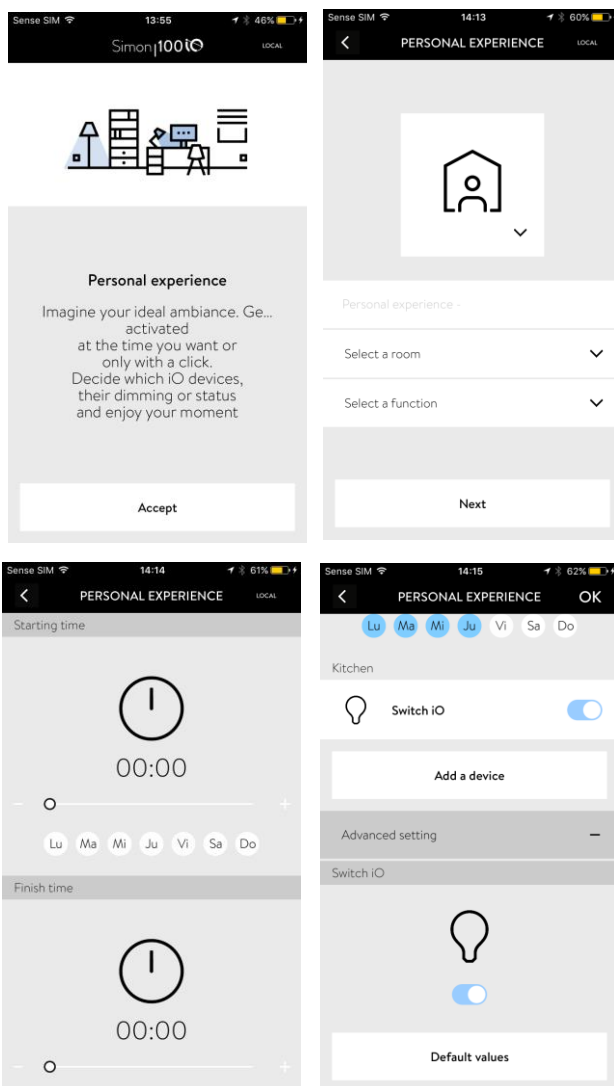
Personal experience allows to set values to some devices and set these values using a Scheduled condition, a Master switch or the APP button as triggers.

You can select Icon name and value to set on each device that composes the experience.

For Master triggered Personal Experiences, The value can be set to ON → establishing for each device a value or can be set to OFF → system will send the value 0 to all added devices.

For Scheduled Personal Experiences you can set the week days when the action must be executed and the ON values for the ON set on Starting Time.

If Starting or Ending actions must not be performed, please deselect all days.



## 7- NETWORK MANAGEMENT

### CONTINUOUS DEVICES TESTING

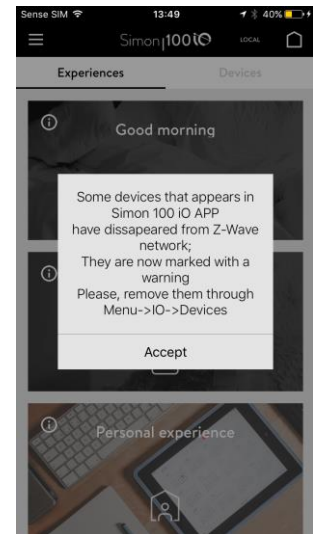
5 minutes after the last adding process 100 HUB iO, will start to test the Life-line association and the continuous polling of devices status that test each device in a period of 40-80minutes.

If a device test fails HUB iO will try to poll its main value 5 minutes after.

If a device test fails for 3 consecutive times, Simon 100 iO Application will mark this device with a warning and HUB iO will not continue testing this device.

When the device reports any state change to HUB iO it will be marked as valid device again.

If HUB iO reports to Simon 100 iO APP that there are some devices removed, they will be marked as failed and APP will show a message informing about that issue.



### REDISCOVERING DEVICES

If an **ADDING** process was not successful but central LED stops to blink slowly, it will be added on Z-Wave. If the **ADDING** process does not read the correct device type the APP can add the device as NON Simon Device. In that cases do not remove the device, but restart the inclusion process, If HUB iO is trying to add a device and it receives inclusion request from a device already added, HUB iO will try to read the device values and configurations in order to show the correct device structure.

### DISPLAYING DEVICES ADDED OUT OF Simon 100 iO APP

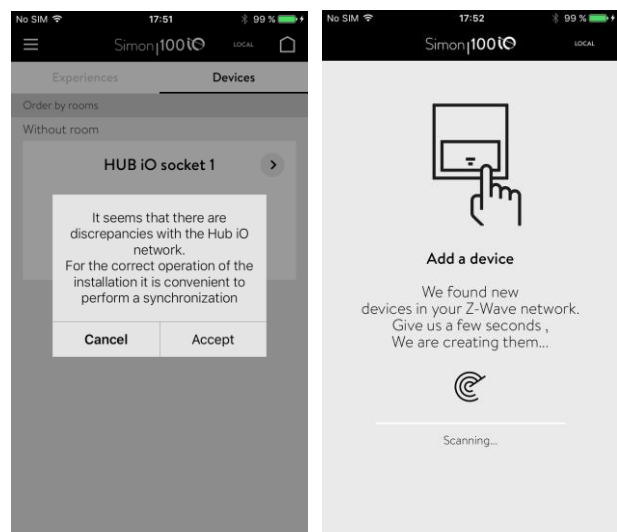
The Application is continuously testing the network status.

- If HUB iO is the Master Controller (SIS) or Primary Controller (PC) of your installation, a message will appear informing that new devices are discovered.
- If HUB iO is a secondary controller (SC) you will need to Update the HUB iO to match the devices registered in Master Controller (SIS) or in the Primary Controller (PC).

If you accept to discover these devices, APP and HUB iO will start a discovery process that can take some time according the number of devices to be discovered by Simon 100 iO APP.

- During discovery process HUB iO will try to discover the new devices characteristics and will add them to APP Database.

Once all new devices are rediscovered APP will display them with generic names. And will inform about special features in case of battery or secure devices.



## NETWORK MANTINANCE

In order to have a stable communications infrastructure you are able to perform a network maintenance of a device or entire network.

Communications infrastructure can be affected due to some causes:

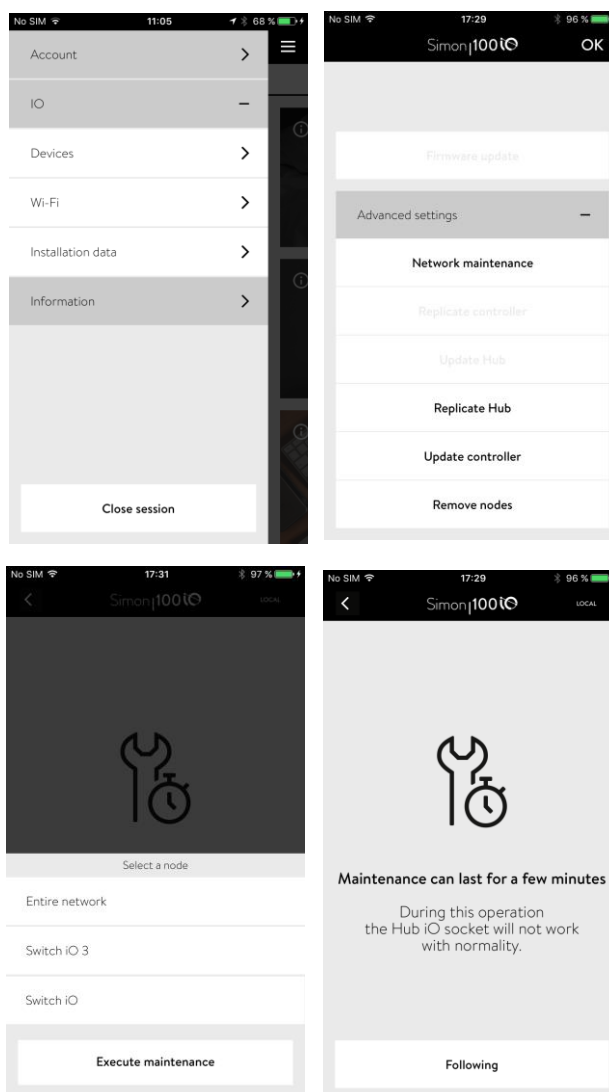
- During the installation process and when the number of devices increases the communication infrastructure can suffer some problems and messages from devices to HUB iO can be delayed.
- If devices physical position suffers changes.
- If installation environment suffers changes,

If communications are not working properly, please perform a maintenance over the device that is not working fine or over the entire network.

### NOTE:

*To allow a stable and good infrastructure communications, we suggest you to perform network Maintenances after change the position of network devices and during first installation process each 20devices added.*

To Perform a Network Maintenance go to Menu > Installation Data > Advanced Settings > Press Network Maintenance



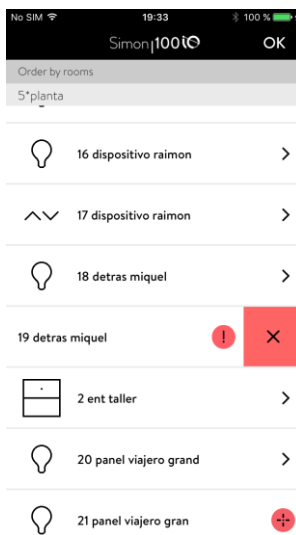
## REMOVING DEVICES

### REMOVING DEVICES FROM OWN NETWORK

If HUB iO is the Master Controller (SIS) or a Primary Controller (PC) You are able to delete devices failed, Simon iO or other HUB iO network devices. On MENU > IOs > Devices > Moving the device to the left and pressing the “X” red icon.

After one device is removed, HUB iO will remove this node from All devices with associations where this device was involved.

- If your APP displays a device that has already been removed manually from HUB iO network, you will be informed with a “warning” icon. If you remove it from your Simon 100 iO APP HUB iO will not perform any action, this device will be removed from the APP database and if this device was associated to other network features APP will process the required changes.

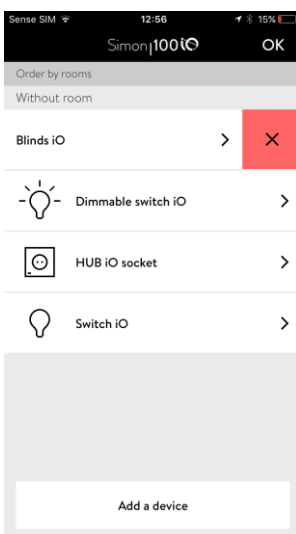


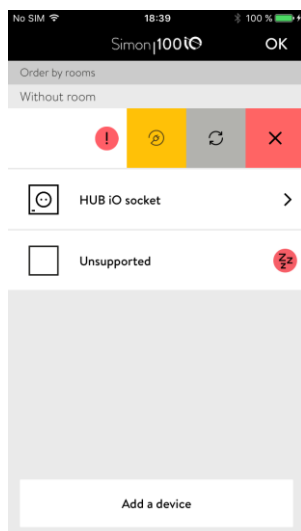
- If you are trying to remove an active device:
  - a) If it is a Simon Device, HUB iO Will send a Reset to default command (Configuration Set with command reset) and will remove the device from the network 5 minutes, testing the device status prior to remove. In that case the device will not be automatically removed from Z-Wave network but will be removed from APP database.

**NOTE:**

*This process can cause many messages transmitted from HUB iO. It is normal to suffer some delays during few moments 5 minutes after a removing process*

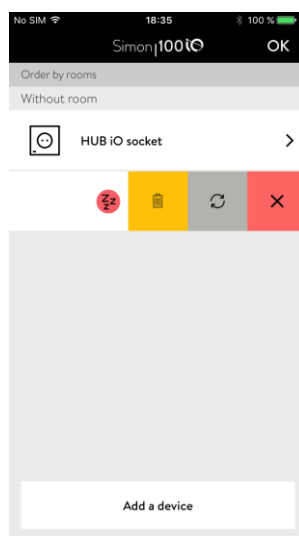
- b) If it is not a Simon Device, Hub iO will start an Exclusion process in order to remove it. If it success device will be removed from the APP and HUB iO Network.





- If you remove a failed device. In that case you will also have the opportunity of replace this node keeping the Z-Wave ID.

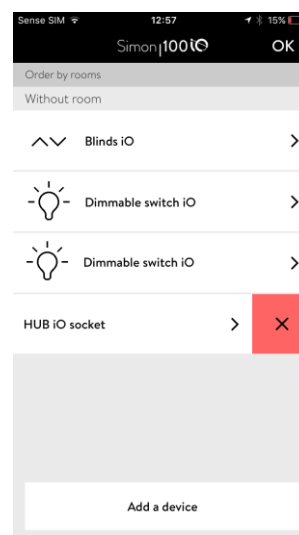
- If you are trying to remove a battery device you are able to use:
  - a) The "X" red icon where an exclusion process will start.
  - b) The "Trash can" yellow icon where HUB iO will set it as failed and will remove it from network if battery device does not responds.



- If you remove a Simon iO device, HUB iO

If HUB iO is the Master Controller (SIS) the HUB iO will remove all Simon iO devices and after that will proceed to reset itself and will go to factory settings.

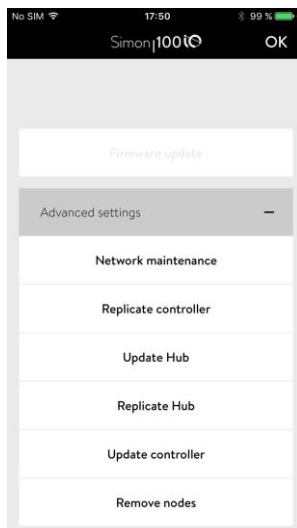
If HUB iO is a Primary Controller (PC) the HUB iO will remove it from the Network and Simon 100 iO APP will remove all its database.



If HUB iO is not the Master Controller (SIS) or a Primary Controller (PC) you will only be available to remove devices that have been removed from HUB iO Network where device will be removed from Database and also the own HUB iO where HUB iO will be removed from installation and Simon 100 iO APP will remove all its database.

## REMOVING DEVICES FROM OTHER Z-WAVE NETWORKS

If HUB iO is the Master Controller (SIS) or a Primary Controller (PC) Y you are able to remove Z-Wave devices from any installation using the remove function allocated on Menu > Installation Data > Advanced Settings > Remove Nodes. Exclusion process will start to allow you remove Z-Wave nodes from their old networks in order to add them to Simon 100 iO network. .

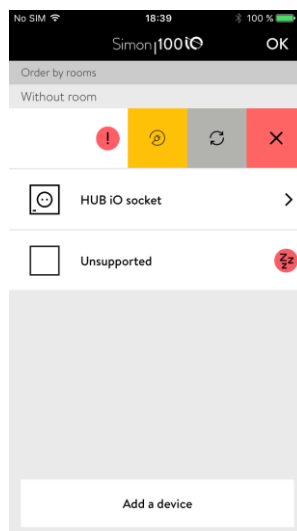


## REPLACING AND RECONNECTING FAILED DEVICES

If a device included on HU iO Network fails on 4 consecutive sets performed by HUB iO, it will be set as Failed.

A failed device can be tested using “Plugin” yellow icon in order to set it as active. HUB iO will try to connect with the device in order to modify the device state.

A failed device (or battery device) can be replaced by a new device in order to solve the failed status. This will start a replacement process where if new device is not the same than the failed device, Simon 100 iO APP Will advise user to replace it by a correct device.



## COMMAND CLASS BASIC USE

| CC BASIC SET VALUES MAPPING                                                                |                                                                                                                    |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| If Basic Set is received from a Simon "Master" device selected as trigger of an experience | Experience is performed                                                                                            |
| Other cases                                                                                | Values are mapped as "Power On/Off Switch", Activating/Deactivating the socket Relay According the Basic Set Value |

## HUB iO REPLICATION

If you want to replicate the Simon 100 Z-Wave Network into another controller you must add this controller to the HUB iO Network.

In order to perform this action you can either go to MENU > iO > DEVICES > ADD or MENU > iO > Installation Data > Advanced Settings > Replicate HUB.

**NOTE:**

*This option is only available if HUB iO is not a secondary controller (SC) of the network.*

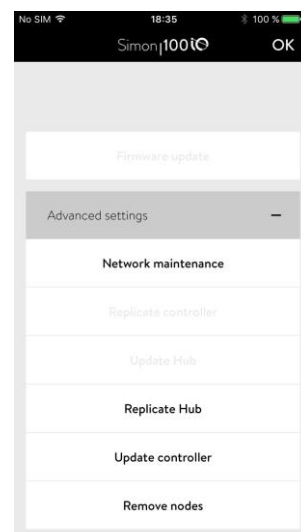
## UPDATE OTHER CONTROLLER NETWORK INFO

If the Current network suffers changes, you can update other controller network information you will update the other controller network information. HUB iO will start an inclusion process to include the other controller again.

In order to perform this action you can either go to MENU > iO > DEVICES > ADD or MENU > iO > Installation Data > Advanced Settings > Controller Update.

**NOTE:**

*This option is only available if HUB iO is not a secondary controller (SC) of the network.*



## REPLICATE EXISTING Z-WAVE NETWORK INTO HUB iO

If HUB iO is going to substitute the existing controller of a Z-Wave network you must add it to allow HUB iO receive the complete Network status.

In order to perform this action go to MENU > iO > Installation Data > Advanced Settings > Replicate controller.

HUB iO will join to Learn mode in order to be added in other Z-Wave Controller.

**NOTE:**

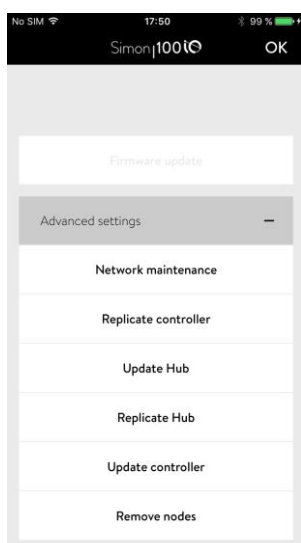
*This option is only available if none device has been added to HUB iO network or if HUB iO is not the Main controller (SIS) of the network.*

*If no update has been performed Simon 100 iO APP will inform to user about it.*

If your Simon 100 iO APP is not linked with your Simon 100 HUB iO you can perform this action press left button during 3 seconds.

**NOTE:**

*This option is only available if HUB iO is not linked with Simon 100 iO APP.*



## UPDATE HUB iO NETWORK INFORMATION

If HUB iO is not the (SIS) or primary controller, you can update the Z-Wave the HUB iO database in order to update the Z-Wave network status, this option will set HUB iO into learning mode in order to include it again on the Main Z-Wave network controller.

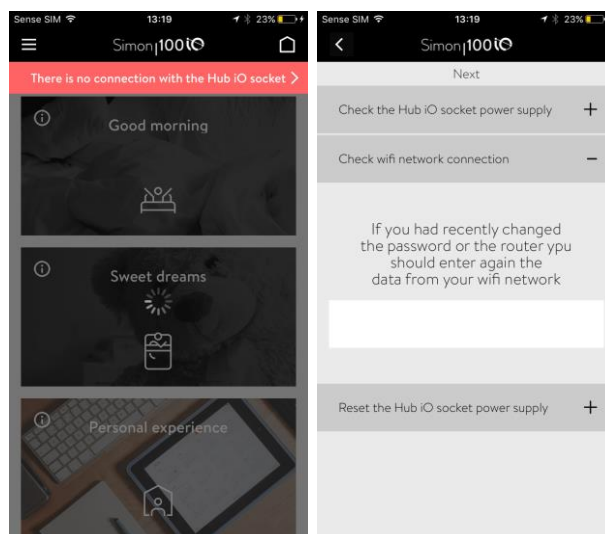
## 8- SOLVING WI-FI CONNECTION PROBLEMS

Simon 100 iO installations are ready to be linked to new WI-FI conditions as well as new users,

If you change your Internet access provider, internet connection or simply your HUB iO was configured as Access Point creating a HUB\_IO\_XX Wi-Fi network and forgot Wi-Fi Password, you are able to reconnect your APP to your installation.

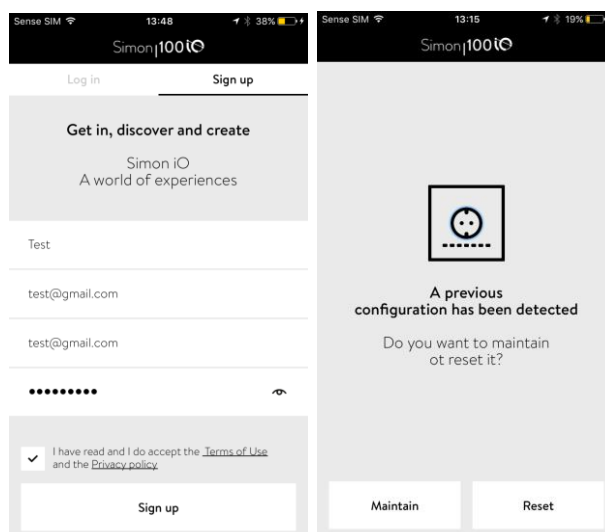
For these cases Open your APP and Log in > A red area will appear press on it and select Check Wi-Fi network connection > and Press the button.

The App will guide you to get connected to HUB iO process.



If you are going to move to a house that has already being installed by a professional but you don't now user or password, you are also able to connect your Simon 100 iO APP to the HUB iO.

For this case get logged in and start the association process to HUB iO. Once you will be connected to INSTALL\_HUB\_XX Wi-Fi network the Simon 100 iO APP will ask you about recover or perform a new installation. - > Select Maintain. The Application will download the installation from the Cloud and grant you access to reconfigure the Wi-Fi Access method.



## 9- Z-WAVE COMMANDS MANAGEMENT

HUB iO Socket is the main device in Simon 100 Installations, The Simon 100 iO APP works together with the HUB in order to manage Simon 100 installations through Z-Wave Commands.

You will find in this area how Z-Wave commands are performed and how does Simon 100 iO works with Z-Wave.

### COMMAND\_CLASS\_ASSOCIATION

- ASSOCIATION\_SET →
  - After ADD a device to Simon 100 HUB iO, ASSOCIATION\_SET of lifeline group is performed.
  - Sent when a Simon Master Device is accessed through MENU→IO→DEVICES→MASTER is selected. If user select advanced options “Associate” option will appear.
    - Master Switch 10002035-13x, can be associated to control 10002034-13x, 10002041-13x, 10003041-13x, 10002020-13x, 10002080-13x devices. Once a device is selected ASSOCIATION\_SET – to Group 2 is sent.
    - Master Roller blind 10002081-13x can be associated to control 10002080-13x devices. Once a device is selected ASSOCIATION\_SET – to Group 2 is sent.
    - Master Roller blind 10002021-13x can be associated to control 10002020-13x devices. Once a device is selected ASSOCIATION\_SET – to Group 2 is sent.
- ASSOCIATION\_REMOVE →
  - Sent when a Simon Master Device is accessed through MENU→IO→DEVICES→MASTER is selected. If user select advanced options “Associate” option will appear.
    - If user unmark the associated device ASSOCIATION\_REMOVE – to Group 2 is sent.
  - After a device is removed the HUB iO will send an ASSOCIATION\_REMOVE – to Group 2 of all Simon’s Devices in order to grant that there are no unwished associations in the installation.
- ASSOCIATION\_GET →
  - After adding a device, HUB iO will ensure that lifeline is correctly associated and will perform with a random time an ASSOCIATION\_GET of lifeline Group.

### COMMAND\_CLASS\_BASIC

- BASIC\_SET is performed when the Icon of a device not manufactured in Simon is pressed. The value will change between 0 and 255 in order to change the device state.
- BASIC\_GET is performed:
  - Over each device in a random time from 40minutes to 60 minutes.
  - When a BASIC\_SET is SENT and no BASIC\_REPORT is returned.

## COMMAND\_CLASS\_CONFIGURATION

- CONFIGURATION\_GET →
  - o When you add 10002020-13x or 10002080-13x Simon Devices, some CONFIGURATION\_GETS are performed in order to get a better experience with the Simon 100 iO APP.
  - o Once devices are in the Simon 100 iO APP, if you are in a Simon's device window, you can expand the advanced settings, HUB iO will request some device CONFIGURATIONS.
- CONFIGURATION\_SET →
  - o When you add 10002035-13x, 10002021-13x or 10002081-13x Simon Devices, some CONFIGURATION\_SETs are performed in order to get a better experience with the Simon 100 iO APP.
  - o Once devices are in the Simon 100 iO APP, if you are in a Simon's device window, and you have the advanced settings visible, you can change some device configurations that will be sent once you press OK. (If you press identify, a CONFIGURATION\_SET is sent performing a fast blink of 5 seconds on the device).
  - o When you remove a Simon Device, the HUB iO will send a CONFIGURATION\_SET with "Reset To default" Parameter and "Restore default" value to increase the user experience. (The device will not be removed from the Z-Wave network).

## COMMAND\_CLASS\_METER

- METER\_SUPPORTED\_GET → When a device of Home control Group 8 that supports COMMAND\_CLASS\_METER is added, METER\_SUPPORTED\_GET is sent in order to know the kind of values that can be reported.
- METER\_GET → if you go into a device of Home control Group 8 that supports meter command class and reports KWh device window, METER\_GET of KWh is sent. If device has some channels that reports KWh gets for these channels will be sent once channels are expanded.

## COMMAND\_CLASS\_SWITCH\_BINARY

- SWITCH\_BINARY\_SET → is performed when 10002034-13x or 10002041-13x icon is pressed. The value will change between 0 and 255 in order to change the device state.  
It is also performed when an experience is performed sending the value established in the experience settings.

## COMMAND\_CLASS\_SWITCH\_MULTILEVEL

- SWITCH\_MULTILEVEL\_SET → Sent when a Simon Dimmer 10002020-13x icon is pressed value changes from 0 to 255 in order to change the device state and time is set to default time.  
It is also performed when an experience is performed sending the value established in the experience settings.
- SWITCH\_MULTILEVEL\_SET (without ACK) → Sent when a Simon Dimmer 10002020-13x is active and user moves the finger through the icon area (from right to left or left to right) value is set according the "7 LEDs indicator" and time is set to 0.
- SWITCH\_MULTILEVEL\_START\_LEVEL\_CHANGE (UP) → Sent when a Simon Roller Blind 10002080-13x icon is pressed on right side.
- SWITCH\_MULTILEVEL\_START\_LEVEL\_CHANGE (DOWN) → Sent when a Simon Roller Blind 10002080-13x icon is pressed on left side.
- SWITCH\_MULTILEVEL\_STOP\_LEVEL\_CHANGE → Sent when a Simon Roller Blind 10002080-13x icon is pressed after cause an START LEVEL UP or DOWN.

## **COMMAND\_CLASS\_MULTICHANNEL**

- MULTICHANNEL\_ENDPOINT\_GET → Sent when an added device has Multichannel capabilities in order to know the device points.
- MULTICHANNEL\_ENDPOINT\_GET → Sent when an added device has Multichannel capabilities in order to know the device points.
- MULTICHANNEL\_CAPABILITY\_GET → Sent when an added device has Multichannel capabilities in order to know each channel capabilities and manage them properly.
- MULTICHANNEL\_COMMAND\_ENCAP → Used to encapsulate commands addressed to device channels.

## **COMMAND\_CLASS\_VERSION**

- VERSION\_COMMAND\_CLASS\_GET → Sent when an added device has Multichannel capabilities in order to ask the device points.

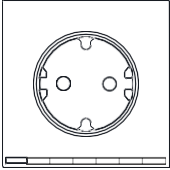
## **COMMAND\_CLASS\_WAKE\_UP**

- WAKE\_UP\_INTERVAL\_GET → When you add a device that supports COMMAND\_CLASS\_WAKE\_UP, HUB iO will send this command in order to request the supported attributes of this command class.
- WAKE\_UP\_INTERVAL\_SET → After receive the ZW\_WAKE\_UP\_INTERVAL\_REPORT, HUB iO will configure the Wake Up attributes with default time and setting the HUB iO as node to be reported.
- WAKE\_UP\_NO\_MORE\_INFORMATION → After Wake up notification Hub iO will perform pending actions over it and send the battery device to Sleep sending WAKE\_UP\_NO\_MORE\_INFORMATION. Pending actions can be Basic Get or Basic Set.

# TAPA ENCHUFE HUB IO

COVER FOR HUB IO  
SOCKET





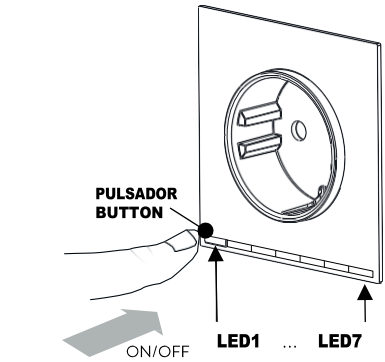
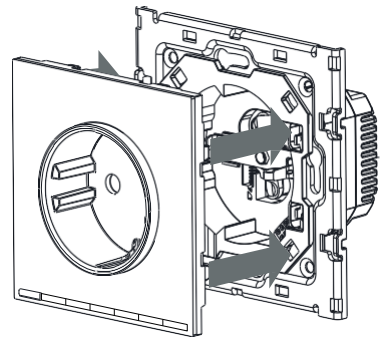
10003041-13X

Características técnicas

Technical characteristics

|                           |                       |                                  |                                                   |                              |
|---------------------------|-----------------------|----------------------------------|---------------------------------------------------|------------------------------|
| Z-Wave                    | 868.42 MHz            | Voltage Supply From 10002432-039 | INTERFACE CONNECTOR To be plugged on 10002432-039 | INDICATORS 1BUTTON 7LED 1RGB |
| UE                        | WiFi 802.11b/g/n      |                                  |                                                   |                              |
| 40°C 0°C                  | 90%HR                 | IP20                             | ZWAVE PLUS                                        | CE                           |
| Download on the App Store | Get it on Google play |                                  |                                                   |                              |

## INSTALACIÓN – INSTALLATION



# CASTELLANO

Una vez conectado a 10002432-039, este frontal permite el control directo de una carga enchufada vía pulsación local o Z-Wave y permite el control remoto de cualquier dispositivo compatible que esté dentro su misma red Z-Wave.

## USO DE TECLADO Y RESPUESTAS

| SUCES O                                      | ACCIÓN TECLADO            | ESTADO DEL EQUIPO                                   | FEEDBACK LEDS                                                                                           | ACTUACIÓN DEL EQUIPO                                                                                                                                                                                                                                         |
|----------------------------------------------|---------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                              | No presionado             | Sin vincular a APP Simon 100 iO o a una red Z-Wave. | - LED1 realiza intermitencia lenta en azul.                                                             |                                                                                                                                                                                                                                                              |
|                                              |                           | Vinculado a APP Simon 100 iO o a una red Z-Wave.    | - Carga OFF sin exceso de potencia (LED1 blanco)                                                        |                                                                                                                                                                                                                                                              |
|                                              |                           |                                                     | - Carga OFF por exceso de potencia (LED1 Color rojo Intermitente)                                       |                                                                                                                                                                                                                                                              |
|                                              |                           |                                                     | - Carga ON con limitación de potencia activa (LED1 Color naranja)                                       | Si la potencia conectada excede el límite establecido se desactivará la carga.                                                                                                                                                                               |
|                                              |                           |                                                     | - Carga ON sin limitación de potencia activa (LED1 verde)                                               | Si la potencia conectada excede 16A se desactivará la carga.                                                                                                                                                                                                 |
|                                              |                           |                                                     | - Baliza, Los LEDs 1...7 regulan su intensidad según parámetro 3.                                       |                                                                                                                                                                                                                                                              |
| Pulsar Tecla                                 | Tecla pulsada             | DESACTIVADA                                         | RGB pulsador pasa a activo en verde o naranja                                                           | Se activa la carga                                                                                                                                                                                                                                           |
|                                              |                           | ACTIVADA                                            | RGB pulsador pasa blanco                                                                                | Se desactiva la carga                                                                                                                                                                                                                                        |
| Enviar Node Info                             | Pulsación larga 2s<t<10s  | App Simon 100 ha sido vinculada al HUB iO           |                                                                                                         | Se envía n Node Info. Se activa una intermitencia en el LED Central.                                                                                                                                                                                         |
| Incluir/ asociar o eliminar de la red Z-Wave | Pulsación larga 2s<t<10s  | App Simon 100 no ha sido vinculada al HUB iO.       |                                                                                                         | El dispositivo envía un Node Info para incluirse o excluirse de la red Z-Wave. Esta acción también puede ser empleada para replicar el estado actual de la red Z-Wave                                                                                        |
| Vincular con APP Simon 100 iO                | Pulsación larga 10s<t<20s |                                                     | LED1 realiza intermitencia intermedia en azul.                                                          | LED1 queda en azul; LEDs 2...7 se activan/desactivan indicando código de asociación para utilizar con la APP Simon 100 iO. Esta indicación finaliza a los 3min o una vez que el usuario se conecta al HUB iO mediante la APP Simon 100 iO.                   |
| Reset Software                               | Pulsación larga 20s<t<30s |                                                     | LED1 realiza intermitencia intermedia en azul.                                                          | Reinicia la interfaz WiFi.                                                                                                                                                                                                                                   |
| Restablecer valores de fábrica               | Pulsación larga t>30s     |                                                     | LED central se enciende durante 2.5 seg. Después el RGB pulsador se encenderá en azul durante el reset. | Se vuelve al estado de fábrica. Si HUB iO Es el controlador principal, será necesario excluir todos los dispositivos de su red. Si HUB iO no es el controlador principal rogamos realice este proceso solo cuando el controlador principal esté inaccesible. |

⚠ Este dispositivo solo se podrá incluir o excluir en una red Z-Wave si no tiene añadido ningún otro equipo a su propia red Z-Wave.  
\* Algunas de las funciones o respuestas pueden cambiar en función de los parámetros de configuración.

## CONFORMIDAD CON PROTOCOLO Z-WAVE

Este producto se puede incluir y gestionar en una red Z-Wave, trabajando con dispositivos y aplicaciones certificados Z-Wave de otros fabricantes. Todos los dispositivos que no vayan a baterías actúan como repetidores dentro de la red Z-Wave con el fin de incrementar la fiabilidad de la red.  
Este producto es un controlador Z-Wave que cumple con los estándares de seguridad Z-Wave Plus.

## ESPECIFICACIONES Z-WAVE

| ESPECIFICACIÓN DEL DISPOSITIVO Z-WAVE  |                                     | COMMAND CLASSES SOPORTADAS                                               |  |
|----------------------------------------|-------------------------------------|--------------------------------------------------------------------------|--|
| Device Type                            | CENTRAL_CONTROLLER                  | COMMAND_CLASS_ZWAVEPLUS_INFO_V2                                          |  |
| Generic Device Type                    | GENERIC_TYPE_STATIC_CONTROLLER      | COMMAND_CLASS_VERSION_V2                                                 |  |
| Specific Device Type                   | SPECIFIC_TYPE_PC_CONTROLLER         | COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2                                   |  |
| Role Type                              | ROLE_TYPE_CONTROLLER_CENTRAL_STATIC | COMMAND_CLASS_BASIC_V1                                                   |  |
| COMMAND CLASSES CONTROLADAS            |                                     | COMMAND_CLASS_SWITCH_BINARY_V1                                           |  |
| COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2 |                                     | COMMAND_CLASS_ASSOCIATION_V2                                             |  |
| COMMAND_CLASS_BASIC_V1                 |                                     | COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3                                    |  |
| COMMAND_CLASS_SWITCH_BINARY_V1         |                                     | COMMAND_CLASS_POWERLEVEL_V1                                              |  |
| COMMAND_CLASS_SWITCH_MULTILEVEL_V3     |                                     | COMMAND_CLASS_CONFIGURATION_V2                                           |  |
| COMMAND_CLASS_ASSOCIATION_V2           |                                     | COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1                                    |  |
| COMMAND_CLASS_CONFIGURATION_V2         |                                     | COMMAND_CLASS_METER_V4 (Consumo eléctrico; Voltios, Tensión y corriente) |  |
| COMMAND_CLASS_METER_V4                 |                                     | COMMAND_CLASS_APPLICATION_STATUS_V1                                      |  |
| COMMAND_CLASS_SECURITY_V1              |                                     | COMMAND_CLASS_CRC_16_ENCAP_V1                                            |  |
| COMMAND_CLASS_CRC_16_ENCAP_V1          |                                     | COMMAND_CLASS_SECURITY_V1                                                |  |
| COMMAND_CLASS_BATTERY_V1               |                                     |                                                                          |  |
| COMMAND_CLASS_MULTI_CHANNEL_V4         |                                     |                                                                          |  |
| COMMAND_CLASS_WAKE_UP_V2               |                                     |                                                                          |  |
| COMMAND_CLASS_VERSION_V2               |                                     |                                                                          |  |

| CC BASIC MAPEADO DE VALORES                                                                 |                                                                                   |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Basic Set Es recibido por parte de un dispositivo "Master" Simon asociado a una experiencia | Se ejecuta la experiencia                                                         |
| Resto de casos                                                                              | Mapeado de Basic Set correspondiente al tipo de dispositivo "Power On/Off Switch" |

## GRUPOS DE ASOCIACIÓN

|                        |                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grupo                  | Grupo 1 (Lifeline) -> Nombre "lifeline"                                                                                                                                             |
| Número de dispositivos | 3                                                                                                                                                                                   |
| Reports Automáticos    | COMMAND_CLASS_BASIC_REPORT<br>Se manda a los nodos asociados cuando la carga cambia de estado: ACTIVADA -> 0xFF // DESACTIVADA -> 0x00                                              |
|                        | COMMAND_CLASS_METER_REPORT_V4<br>Se manda a los nodos asociados cuando la potencia consumida al menos un 10%. "Electric meter", "Consumed", "Watts", Size 4, Precision 1, Value (W) |
|                        | COMMAND_CLASS_DEVICE_RESET_LOCALLY_NOTIFICATION<br>Se manda a los nodos asociados cuando se elimina el dispositivo de la red Z-Wave                                                 |

|                        |                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Grupo                  | Grupo 2 (Control) -> Nombre "ctrl"                                                                                                     |
| Número de dispositivos | 20                                                                                                                                     |
| Acciones               | COMMAND_CLASS_BASIC_REPORT<br>Se manda a los nodos asociados cuando la carga cambia de estado: ACTIVADA -> 0xFF // DESACTIVADA -> 0x00 |

## CONFIGURACIONES

| N                                 | NOMBRE                             | T | VALOR                                                                                                                                                                                                                                                                                            |
|-----------------------------------|------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                 | LED Asociación                     | 1 | 0x00 -> (Valor por defecto) Apaga el LED central<br>0xFF -> Enciende el LED central                                                                                                                                                                                                              |
| 2                                 | Límite consumo personalizado       | 2 | 0x0000 -> (Valor por defecto) Desactiva el límite de consumo personalizado<br>0x0001 – 0xFFFF -> Establece la potencia máxima (W) que se puede conectar al enchufe. (Una vez superada la carga se desactiva).                                                                                    |
| 3                                 | Función baliza                     | 1 | 0x00 -> (Valor por defecto) Deshabilita la función baliza.<br>0x01-0x63 (1-100%) -> Establece la intensidad de los Leds de baliza.                                                                                                                                                               |
| 10                                | On retardado                       |   | 0x00 -> (Valor por defecto) Inmediato                                                                                                                                                                                                                                                            |
| 11                                | Off temporizado                    | 1 | 0x01-0x7F -> De 1 segundo (0x01) a 127 segundos (0x7F) con 1 segundo de resolución.                                                                                                                                                                                                              |
| 16                                | Apagado Retardado                  |   | 0x80-0xFE -> De 1 minuto (0x80) a 127 minuto (0xFE) con 1 minuto de resolución.                                                                                                                                                                                                                  |
| 12                                | Estado LED en reposo               | 1 | 0x00 -> LED1 permanece desactivado y solo indica el estado de la carga durante 5 seg. cuando este se produce por una pulsación local.<br>0xFF -> (Valor por defecto) LED1 muestra el estado de la carga continuamente.                                                                           |
| 13                                | Bloquear entrada                   | 1 | 0x00 -> (Valor por defecto) Desbloquea la actuación sobre la carga.<br>0xFF -> Bloquea la actuación local sobre la carga. (al pulsar El LED1 hará 3 intermitencias en rojo)                                                                                                                      |
| 15                                | Restaurar valores (Solo escritura) | 2 | 0x9867 -> Parámetros, Grupos y estado Z-Wave se restauran a los valores por defecto.<br>0x4312 -> Los parámetros, a excepción del Bloquear Pulsación Larga se restauran a los valores por defecto.                                                                                               |
| 17                                | Estado PostReset                   | 1 | 0x00 -> Después de un reset la carga inicia desactivada<br>0xFF -> (Defecto) Después de un reset, la carga recupera el estado.                                                                                                                                                                   |
| 19                                | Acción al Pulsar                   | 1 | 0 -> (Valor por defecto) Al pulsar t<2seg se conmuta entre apagado y el ultimo valor de regulación establecido.<br>1 -> Al pulsar t<2seg siempre se activa.<br>2 -> Al pulsar t<2seg siempre se desactiva.                                                                                       |
| 20                                | Identificar (Solo escritura)       | 1 | 0xFF -> La tecla activa una intermitencia rápida en el LED central durante 5 segundos.                                                                                                                                                                                                           |
| Estado de la carga (Solo lectura) | 2                                  |   | B0 -> 0 si la carga esta desactivada<br>1 si la carga está activada<br>B1 -> 0x00 Carga desactivada<br>0xFF Carga activa.                                                                                                                                                                        |
|                                   |                                    |   | 0x00 ->(Valor por defecto) La pulsación larga funciona según lo descrito en la tabla uso de teclado y respuestas.<br>0xFF ->La pulsación de 2s<t<10s no envía Node Info<br>La pulsación de t>30s restaura los parámetros de configuración excepto Bloquear Pulsación Larga y envía un Node Info. |
| 27                                | Bloquear Pulsación Larga           | 1 |                                                                                                                                                                                                                                                                                                  |

⚠ Las configuraciones con únicos valores disponibles 0x00 y 0xFF Aceptan la escritura de cualquier valor; estableciéndose como 0xFF cualquier valor escrito distinto de 0x00. Estas configuraciones no son restablecidas a los valores por defecto cuando el dispositivo es eliminado de la red. Únicamente  
⚠ COMMAND\_CLASS\_DEVICE\_RESET\_LOCALLY -> DEVICE\_RESET\_LOCALLY\_NOTIFICATION será enviado para informar que el nodo ha sido eliminado de la red, pero mantendrá las configuraciones establecidas.  
Para restaurar las configuraciones realice una de las siguientes acciones:  
-Command CONFIGURATION SET con default bit a 1 al escribir cada configuración.  
-Realice una pulsación larga de 30 segundos o envíe un CONFIGURATION SET con el parámetro 15 y el valor adecuado.

# ENGLISH

## DESCRIPTION

Once connected to 10002432-039, this front allows direct control of a load plugged in via local or Z-Wave and allows the remote control of any compatible device that is within its own Z-Wave network.

## KEYPAD USE & FEEDBACKS

| EVENT                               | KEYPAD ACTION            | DEVICE STATUS                                       | FEEDBACK LEDS                                                                                                            | DEVICE ACTUATION                                                                                                                                                                                                                           |
|-------------------------------------|--------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Not pressed              | Not Linked to APP Simon 100 or to a Z-Wave network. | LED1 blinks slow in blue.                                                                                                |                                                                                                                                                                                                                                            |
|                                     |                          | Linked to APP Simon 100 iO or to a Z-Wave network.  | OFF due to load limit consumption (LED1 red blinking)                                                                    |                                                                                                                                                                                                                                            |
|                                     |                          |                                                     | OFF with no load limit consumption (LED1 white)                                                                          |                                                                                                                                                                                                                                            |
|                                     |                          |                                                     | ON with load limit consumption (LED1 orange)                                                                             | Load is deactivated if load consumption limit is exceeded.                                                                                                                                                                                 |
|                                     |                          |                                                     | ON with no load limit consumption (LED1 green)                                                                           | Load is deactivated if load consumption (16A) is exceeded.                                                                                                                                                                                 |
|                                     |                          |                                                     | Beacon, LEDs 1...7 set their intensity according Param 3. Error, Fast blink in Central LED.                              |                                                                                                                                                                                                                                            |
| Press key                           | Short press (t<2sec)     | OFF                                                 | LED1 turns green or orange                                                                                               | Load is activated                                                                                                                                                                                                                          |
|                                     |                          | ON                                                  | LED1 turns white                                                                                                         | Load is deactivated                                                                                                                                                                                                                        |
| Send Node Info                      | Long press 2s<t<10s      | HUB iO is Linked to Simon 100 APP                   |                                                                                                                          | Device sends a Node Info. Central LED blinks. HUB iO Does not starts a learn process.                                                                                                                                                      |
| Add / Remove to/from Z-Wave Network | Long press 2s<t<10s      | HUB iO is not Linked to Simon 100 APP               |                                                                                                                          | Device goes to learning mode to be added on other Z-Wave network. Central LED blinks. This action can also be performed to rediscover devices added out of Simon 100 APP.                                                                  |
| Link with user                      | Long press (10s <t <20s) |                                                     | LED1 blinks in blue. Then the LED of the pushbutton stays illuminated in blue for 3 minutes or until the user is linked. | LED1 stays blue; LEDs 2..7 turn ON or OFF showing an link code to allow user manage the Z-Wave Network through the Simon 100 iO 100 APP.<br>The link code finishes once user is linked to HUB iO or after 3 minutes without any user link. |
| Reset Software                      | Long press (20s <t <30s) |                                                     | LED1 flashes blue fast.                                                                                                  | Restart the WiFi interface                                                                                                                                                                                                                 |
| Reset default                       | Long press t>30s         |                                                     | Main LED light up for 2.5 sec. After that LED1 turns blue during the reset.                                              | Reset to default state. Please use this process only when HUB iO is not the Master controller of Z-Wave network and the Master controller is not accessible.                                                                               |

⚠ This device can only be included into another controller there are no devices included into its own Z-Wave network.

⚠ Some of the functions can be changed depending on the configuration parameters.

⚠ If HUB iO 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 HUB iO 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.

Z-WAVE COMPLIANCE

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

This product is a Security Enabled Z-Wave Plus Controller that can manage both, secure and unsecure Z-Wave devices.

Z-WAVE SPECIFICATIONS

| Z-WAVE DEVICE SPECIFICATION |                                     |
|-----------------------------|-------------------------------------|
| Device Type                 | CENTRAL_CONTROLLER                  |
| Generic Device Type         | GENERIC_TYPE_STATIC_CONTROLLER      |
| Specific Device Type        | SPECIFIC_TYPE_PC_CONTROLLER         |
| Role Type                   | ROLE_TYPE_CONTROLLER_CENTRAL_STATIC |

| SUPPORTED COMMAND CLASSES                                                                        |  |
|--------------------------------------------------------------------------------------------------|--|
| COMMAND_CLASS_ZWAVEPLUS_INFO_V2                                                                  |  |
| COMMAND_CLASS_VERSION_V2                                                                         |  |
| COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2                                                           |  |
| COMMAND_CLASS_BASIC_V1                                                                           |  |
| COMMAND_CLASS_SWITCH_BINARY_V1                                                                   |  |
| COMMAND_CLASS_ASSOCIATION_V2                                                                     |  |
| COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3                                                            |  |
| COMMAND_CLASS_POWERLEVEL_V1                                                                      |  |
| COMMAND_CLASS_CONFIGURATION_V2                                                                   |  |
| COMMAND_CLASS_DEVICE_RESET_LOCALLY_V1                                                            |  |
| COMMAND_CLASS_METER_V4<br>(Electric measurement; Watts, Voltage and Current measurement allowed) |  |
| COMMAND_CLASS_APPLICATION_STATUS_V1                                                              |  |
| COMMAND_CLASS_CRC_16_ENCAP_V1                                                                    |  |
| COMMAND_CLASS_SECURITY_V1                                                                        |  |

| CONTROLLED COMMAND CLASSES             |  |
|----------------------------------------|--|
| COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2 |  |
| COMMAND_CLASS_BASIC_V1                 |  |
| COMMAND_CLASS_SWITCH_BINARY_V1         |  |
| COMMAND_CLASS_SWITCH_MULTILEVEL_V3     |  |
| COMMAND_CLASS_ASSOCIATION_V2           |  |
| COMMAND_CLASS_CONFIGURATION_V2         |  |
| COMMAND_CLASS_METER_V4                 |  |
| COMMAND_CLASS_SECURITY_V1              |  |
| COMMAND_CLASS_CRC_16_ENCAP_V1          |  |
| COMMAND_CLASS_BATTERY_V1               |  |
| COMMAND_CLASS_MULTI_CHANNEL_V4         |  |
| COMMAND_CLASS_WAKE_UP_V2               |  |
| COMMAND_CLASS_VERSION_V2               |  |

| CC BASIC SET VALUES MAPPING                                                                |                                                                                                                    |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| If Basic Set is received from a Simon "Master" device selected as trigger of an experience | Experience is performed                                                                                            |
| Other cases                                                                                | Values are mapped as "Power On/Off Switch", Activating/Deactivating the socket Relay According the Basic Set Value |

ASOCIATION GROUPS

|                       |                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Group                 | Group 1 (Lifeline) -> Name "lifeline"                                                                                                                                                     |
| Max. devices in Group | 3                                                                                                                                                                                         |
| Automatic reports     | COMMAND_CLASS_BASIC_REPORT<br>It is sent to the associated nodes when the load changes state:<br>ON -> 0xFF<br>OFF -> 0x00                                                                |
|                       | COMMAND_CLASS_METER_REPORT_V4<br>It is sent to the associated nodes when the power consumed varies more than 10%<br>"Electric meter", "Consumed", "Watts", Size 4, Precision 1, Value (W) |
|                       | COMMAND_CLASS_DEVICE_RESET_LOCALLY_NOTIFICATION<br>The associated nodes are sent when the device is deleted from the Z-Wave network                                                       |

|                       |                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Group                 | Group 2 (Control) -> Name "ctrl"                                                                                               |
| Max. devices in Group | 20                                                                                                                             |
| Automatic reports     | COMMAND_CLASS_BASIC_REPORT<br>It is sent to the associated nodes when the load changes its state:<br>ON -> 0xFF<br>OFF -> 0x00 |

CONFIGURATIONS

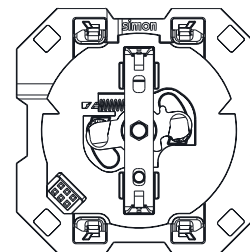
|    | NAME                       | SIZE | VALUES                                                                                                                                                                                                                                           |
|----|----------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Association LED            | 1    | 0x00 -> (Default) Turns off the center LED<br>0xFF -> Turn on the center LED                                                                                                                                                                     |
| 2  | Custom consumption limit   | 2    | 0x0000 -> (Default) Disables custom consumption limit<br>0x0001 - 0xFFFF -> Sets the power in Watts that is supported (once the load is over, it is disconnected).                                                                               |
| 3  | Beacon                     | 1    | 0x00 -> (Default) Disables the beacon function.<br>0x01-0x63 (1-100%) -> Sets the intensity of the beacon LEDs.                                                                                                                                  |
| 10 | Delay ON                   | 1    | 0x00 -> (Default) Disables timing                                                                                                                                                                                                                |
| 11 | Activation TIME            |      | 0x01-0x7F -> Sets a timing with a range of (1-127sec)                                                                                                                                                                                            |
| 16 | Delay OFF                  |      | 0x80-0xFE -> Sets a timing with range of (1-127min)                                                                                                                                                                                              |
| 12 | Behavior of LED in Repose  | 1    | 0x00 -> LED1 remains OFF and only informs of load state during 5 sec. after pressing the button.<br>0xFF -> (Default) LED1 always shows the load state                                                                                           |
| 13 | Lock Input                 | 1    | 0x00 -> (Default) Enables the pushbutton to control the load<br>0xFF -> Disables the action of the pushbutton on the load                                                                                                                        |
| 15 | Reset default (Write Only) | 2    | 0x9867 -> Parameters, Groups and Z-Wave status are restored to the default values.<br>0x4312 -> Parameters, with the exception of Long Pulse Lock, are reset to default values.                                                                  |
| 17 | PostReset State            | 1    | 0x00 -> After a reset the load starts Off<br>0xFF -> (Default) After a reset the load recovers the last value.                                                                                                                                   |
| 19 | Pulse Action               | 1    | 0x00 -> (Default) TOGGLE (Default). A short press (t <2s) switches the Load.<br>0x01 -> ON. A short press (t <2s) activates the load<br>0x02 -> OFF. A short press (t <2s) deactivates the load                                                  |
| 20 | Identify (Write Only)      | 1    | 0xFF -> The central LED flashes for 5 seconds at a frequency of 0.1s                                                                                                                                                                             |
| 21 | Load State (Read Only)     | 2    | [Byte 0] 0x00 -> Load is deactivated<br>0x01 -> Load is activated<br>[Byte 1] 0x00 -> Load is deactivated<br>0xFF -> Load is activated                                                                                                           |
|    |                            |      | 0x00-> (Default) Long press works as described previously.<br>0xFF-> Neither Long press of 2s<t<30s does not perform any action.<br>Long press of t>30s Parameters, except Lock long press are restored to default and device sends a Node Info. |
| 27 | Lock long press            | 1    |                                                                                                                                                                                                                                                  |

- ⚠ Params that only have 0x00 or 0xFF as available values, supports Config Set with any 1 byte value. The device will Set the Param value to 0xFF if the written value is not 0x00.
- ⚠ All These configurations are not restored to default when device is removed from network. COMMAND\_CLASS\_DEVICE\_RESET\_LOCALLY a DEVICE\_RESET\_LOCALLY\_NOTIFICATION will be sent to inform controller that node has been removed from network, but the device will keep the current configurations.
- To restore the configurations values, please perform one of these actions:
- Use Command CONFIGURATION SET with default bit to 1 for each configuration parameter.
  - Perform Reset Default Action via keypad pressing or Command Reset Default.

**simon**

ENCHUFE IO

IO SOCKET



10002432-039

**Características técnicas**  
Technical characteristics

230VAC  
50Hz  
(±10%)

16A  
LED/CFL  
5A

40°C  
0°C

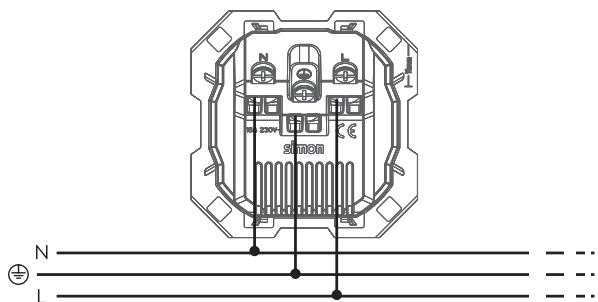
90%HR

IP20

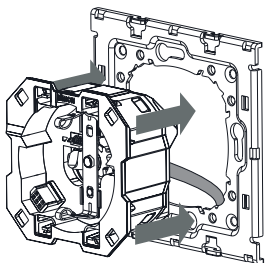
CE

**simon**

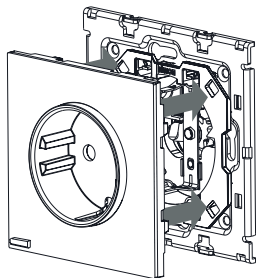
1



2



3



## CASTELLANO

Este dispositivo es una base de enchufe schuko empotrado con capacidad para controlar una carga y medir la potencia: Debe completarse necesariamente con un frontal para el enchufe IO (Ref. 10002041-13X) o un frontal con conexión WiFi para el enchufe IO (Ref. 10003041-13X)<sup>1</sup>

<sup>1</sup> Visite [www.simonelectric.com](http://www.simonelectric.com) o la hoja de instrucciones 10002041-13x o 10003041-13x para saber más sobre el uso de Z-Wave.

## ENGLISH

The device is a wall mounted electronic schuko that allows control a charge and the power measurement: It must be completed necessarily with a Cover for IO socket (Ref. 10002041-13X) or Cover for IO socket with WiFi connection (Ref. 10003041-13X)<sup>1</sup>

<sup>1</sup> Please visit [www.simonelectric.com](http://www.simonelectric.com) or 10002041-13x or 10003041-13x datasheet to learn more about Z-Wave use.