bticino

Smarther AC with NETATMO

XW8003 / XM8003 / XG8003 / XW8003W

User and installation manual

Home + **Control**



RA00186AA-11/22-PC

Smarther AC with NETATMO

User and installation manual



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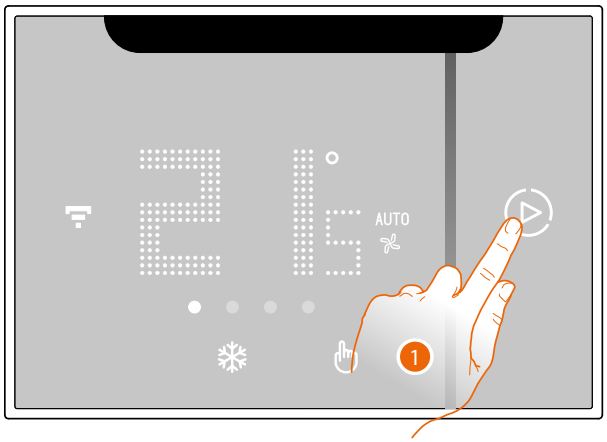
Your Smarther AC, use it now!

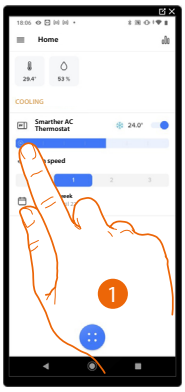
CAUTION: *In order to work, the device must first be configured using the Home+Control App.*

Heat your home immediately (Boost)

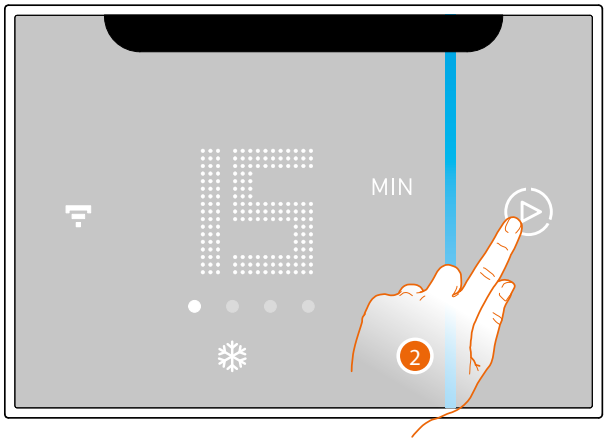
You can switch your system on quickly with the BOOST function

ACTIVATION USING THE DEVICE or USING THE APP



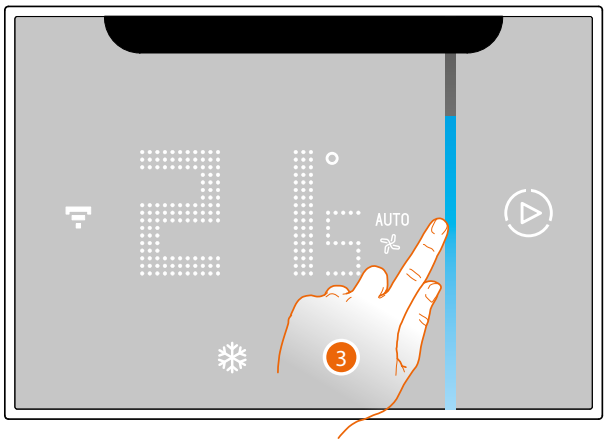


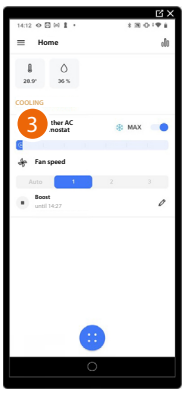
1. Touch to activate the function





2. Select the switching-on period from 15/30/45 minutes

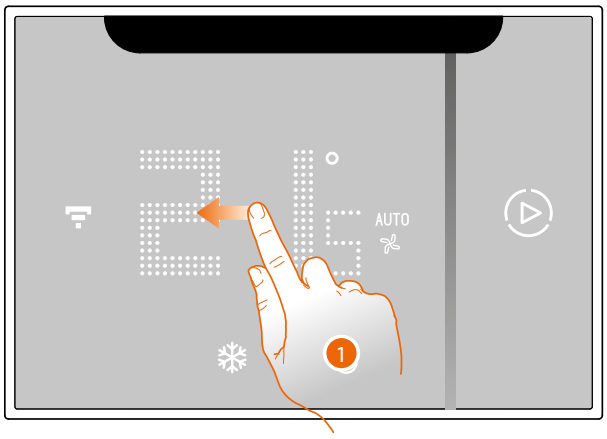


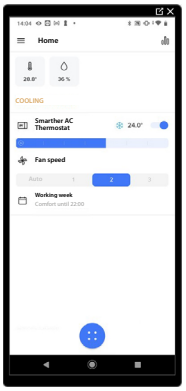


3. A visual indicator will show you the remaining time for which your system will remain on

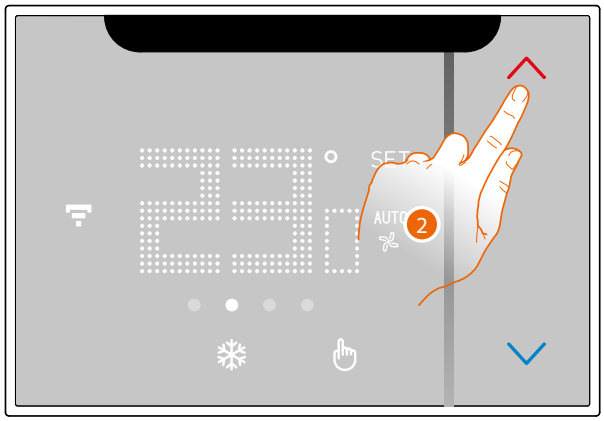
Set the temperature

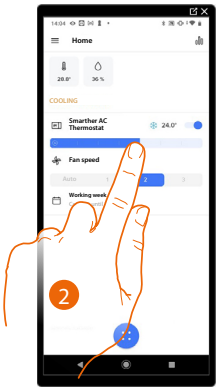
ACTIVATION USING THE DEVICE or USING THE APP



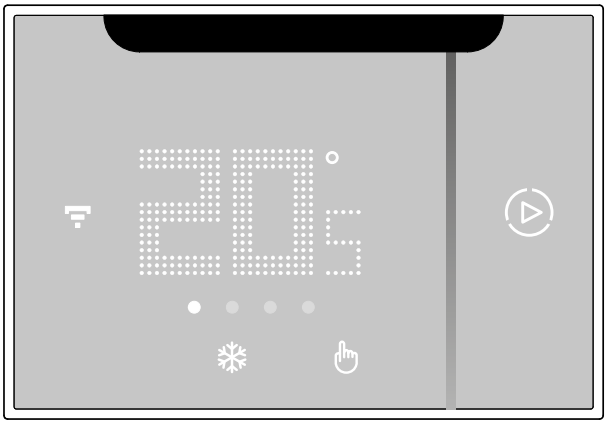


1. From the Smarther AC scroll to display the temperature setting page





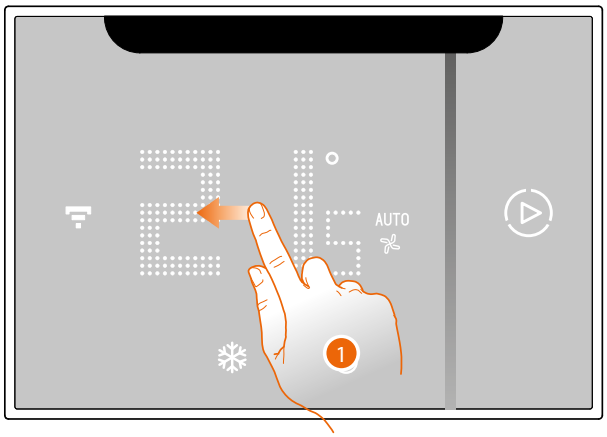
2. From the Smarther AC touch the keys to increase or decrease the temperature, or from the App scroll to increase or decrease the temperature.

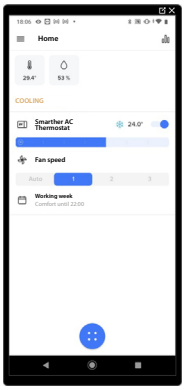


***NOTE**: when you want to set different temperatures depending on the time and day of the week, you need to create a special program (see Schedules)*

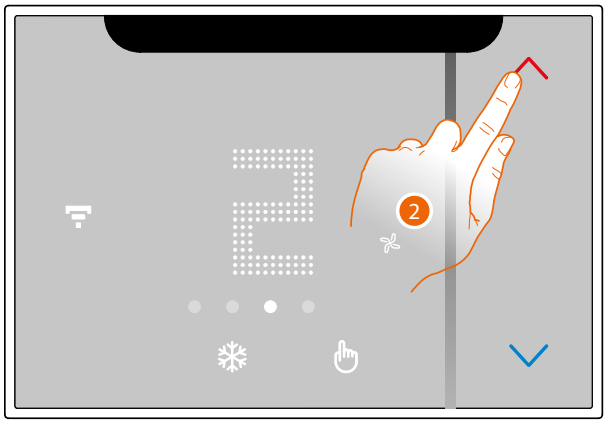
Set the fan speed

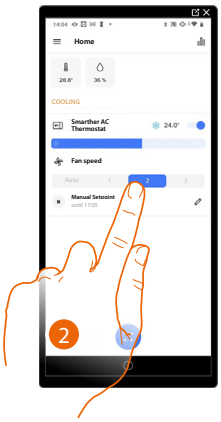
ACTIVATION USING THE DEVICE or USING THE APP



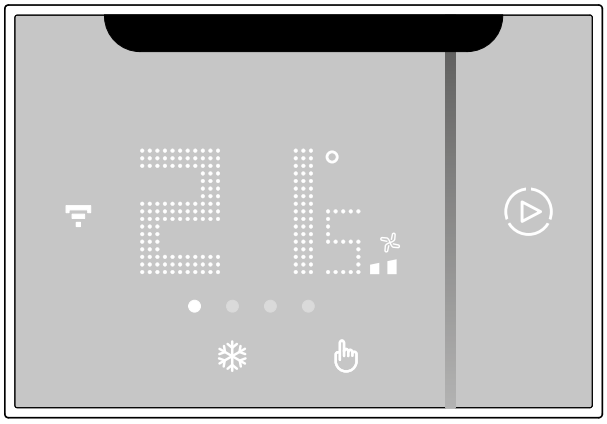


1. From the Smarther AC scroll to display the fan speed setting page





2. From the Smarther AC, touch the keys to increase or decrease the fan speed, or in the App touch to select the fan speed.
   You can select the speed value among 3 levels (1,2,3), or set the speed to automatic.

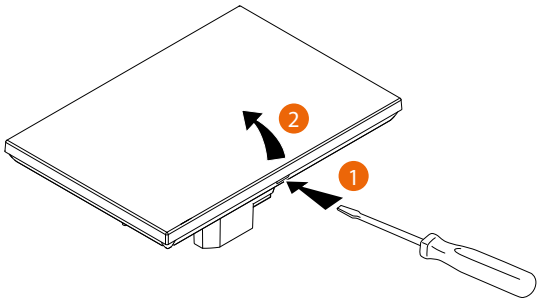


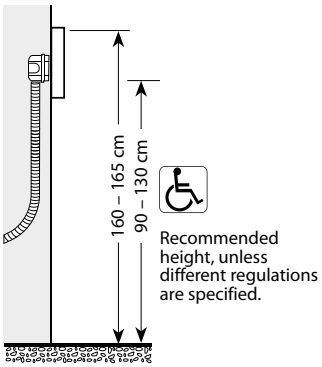
Once the setting is complete wait for a few seconds. The display will show the measured temperature.

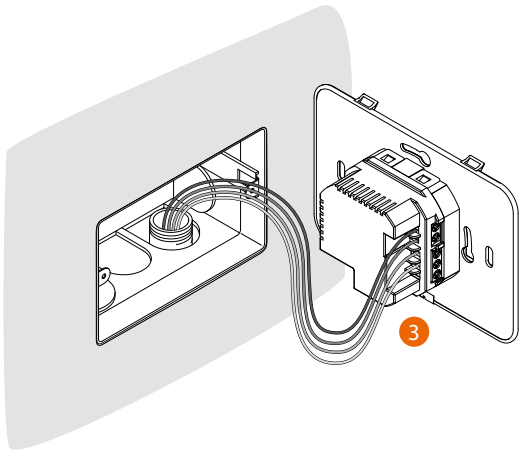
Installation

Flush-mounted installation (XW8003/XM8003/XG8003)

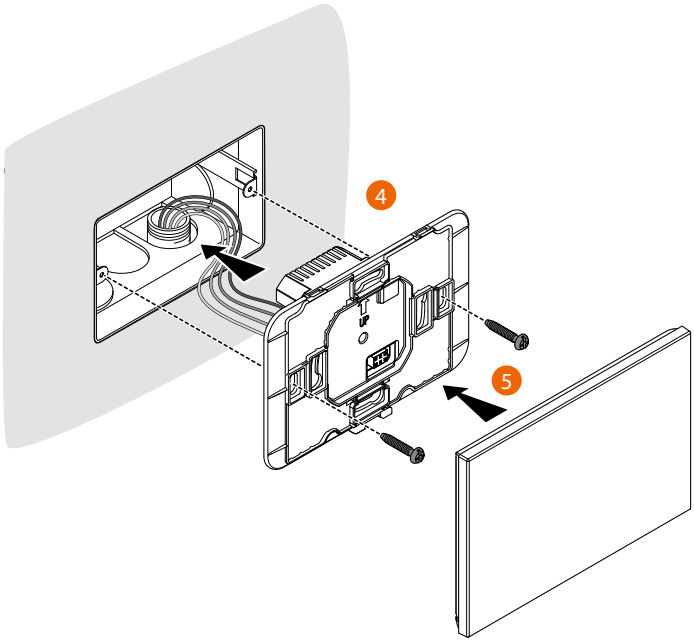
NOTE: *Install the Smarther so that it is within the field of view of the air conditioning unit, making sure that there are no obstacles in between (plants, furniture, light fittings, etc.) that may impair communication between the infrared transmitter and receiver.*



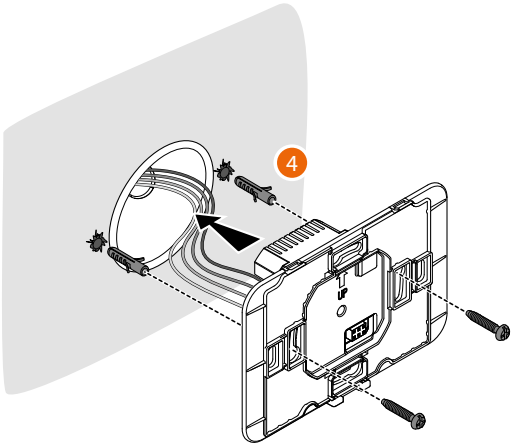




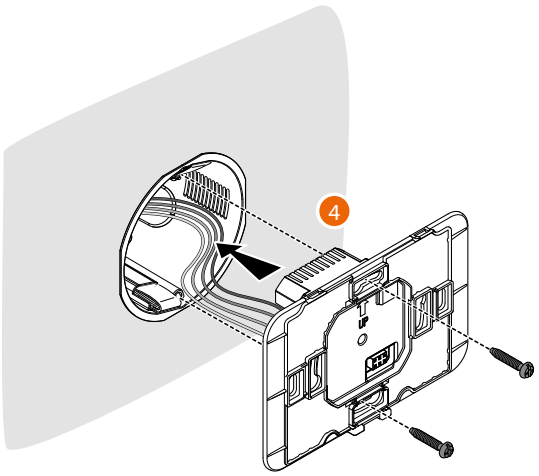
With 503E boxes



With 500 boxes



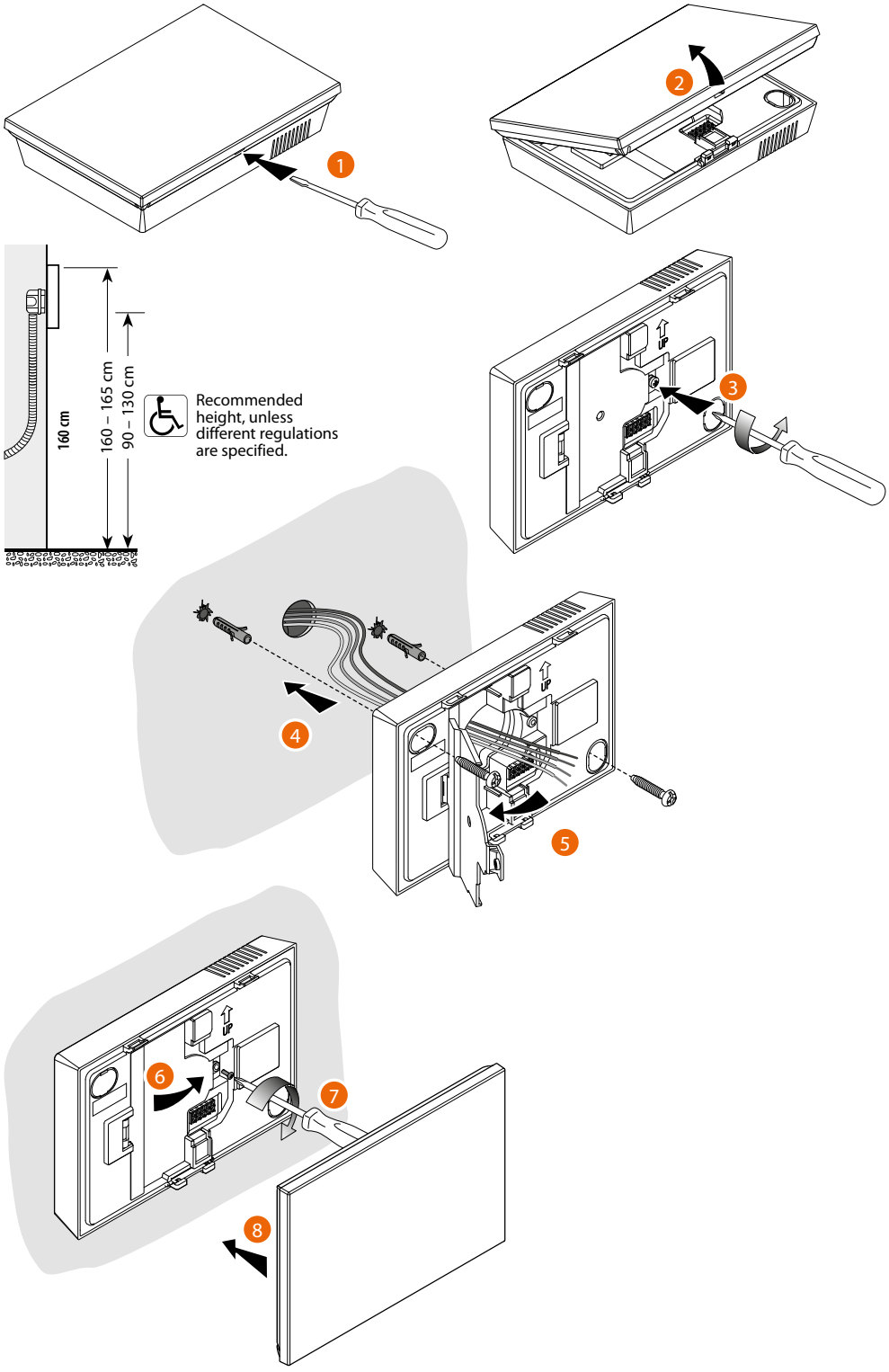
With 502PB boxes



***CAUTION**: Avoid tightening the screws too much, in order to prevent any base distortion that may compromise the correct installation of the device.*
The front must be tightly fixed to the base and the fastening clip should lock into place.
Once the installation has been done, wait for 2 hours before checking the read temperature.

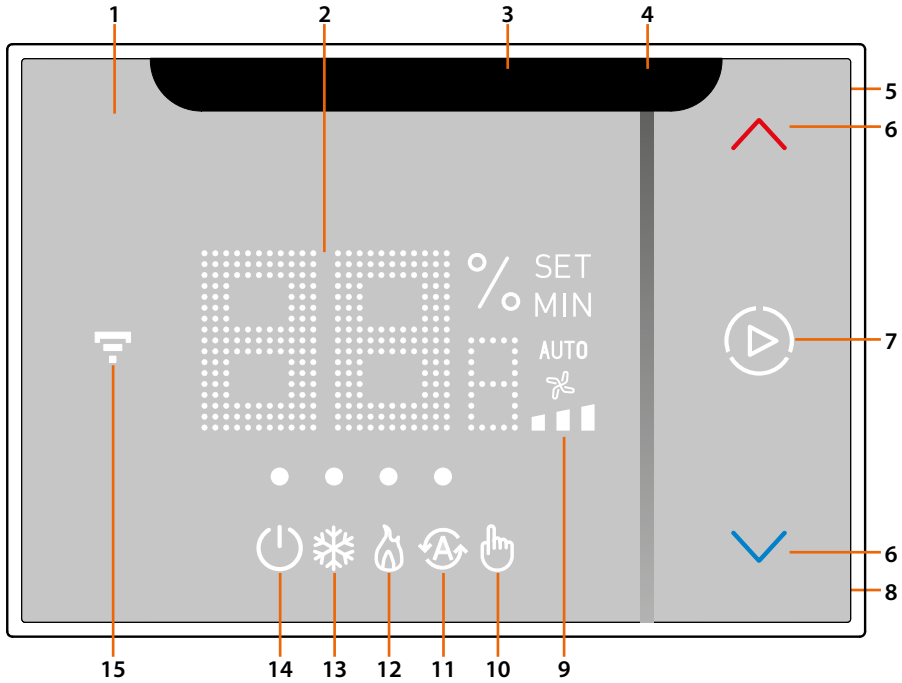
Wall-mounted installation XW8003W

***NOTE**: Install the Smarther so that it is within the field of view of the air conditioning unit, making sure that there are no obstacles in between (plants, furniture, light fittings, etc.) that may impair communication between the infrared transmitter and receiver.*



***CAUTION**: Avoid tightening the screws too much, in order to prevent any base distortion that may compromise the correct installation of the device.*
The front must be tightly fixed to the base and the fastening clip should lock into place.
Once the installation has been done, wait for 2 hours before checking the read temperature.

Front view



1. Touch screen display
2. Temperature*/humidity display
3. IR emitter
4. Indicator of the time remaining for "Boost" mode operation
5. Wi-Fi connection key and Radio frequency settings
6. Keys for temperature setting
7. Boost mode activation
8. Reset key (5" to reset Wi-Fi and Apple home, 10" to reset to factory settings)
9. IR air conditioning unit fan or Fan coil speed indicator (Automatic/1/2/3)
10. Manual mode indicator
11. Automatic mode indicator
12. Heating indicator
13. Cooling indicator
14. "OFF thermostat" indicator
15. Wi-Fi connection indicator

* In systems with IR air conditioning units, the temperature measured by the Smarther AC will not be used as reference for switching the system on or off. The reference temperature will be the temperature read by the IR air conditioning unit, which cannot be displayed on the Smarther AC or the App.

CAUTION: *In order to work, the device must first be associated with the Home+Control App and configured.*

Symbols on the display of a Smarther AC associated with an IR air conditioning unit

Icon	Meaning
 OFF	The system is OFF
 Cooling mode operation	The system is in cooling mode.
 Heating mode operation	The system is in heating mode.
 Manual mode operation	The manual mode temporarily excludes the hour programs; using the Home + Control App you can also set the length of this mode. When this time has elapsed, operation will start again as in the program
 Automatic mode operation	The system is in "Automatic" mode, which means that switching between heating and cooling is managed automatically.
 Boost mode activation	The Boost forces the switching on of the system for a limited time (15, 30 or 45 minutes) independent of the measured and programmed temperature
 Keys for temperature setting	The set value is only valid for the manual mode operation.
 Wi-Fi connection indicator	ON = connected OFF = disconnected Blue flashing = it means that the device is ready for association with the Home + Control App White flashing = it identifies the Smarther AC in some procedures, in case there is more than one in the system.
 Fan mode	AUTO = fan in automatic mode  = displays the speed of the active fan

***NOTE**: the images of this manual are only indicative, and therefore may not exactly represent the characteristics of the product.*

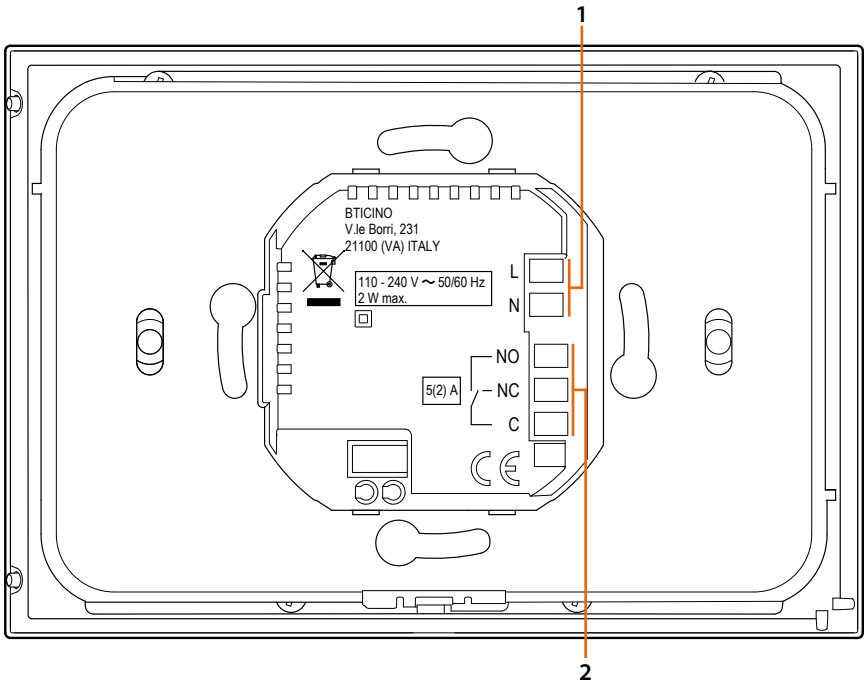
Simboli sul display di uno Smarther AC associato con Attuatore Fancoil

Icon	Meaning
 OFF	The system is OFF
 Cooling mode operation	The system is in cooling mode and is ON.
 Heating mode operation	The system is in heating mode and is ON.
 Manual mode operation	The manual mode temporarily excludes the hour programs; using the Home + Control App you can also set the length of this mode. When this time has elapsed, operation will start again as in the program
 Boost mode activation	The Boost forces the switching on of the system for a limited time (15, 30 or 45 minutes) independent of the measured and programmed temperature
 Keys for temperature setting	The set value is only valid for the manual mode operation.
 Wi-Fi connection indicator	ON = connected OFF = disconnected Blue flashing = it means that the device is ready for association with the Home + Control App White flashing = it identifies the Smarther AC in some procedures, in case there is more than one in the system.
 Fan mode	AUTO = fan in automatic mode  = displays the speed of the active fan

***NOTE**: the images of this manual are only indicative, and therefore may not exactly represent the characteristics of the product.*

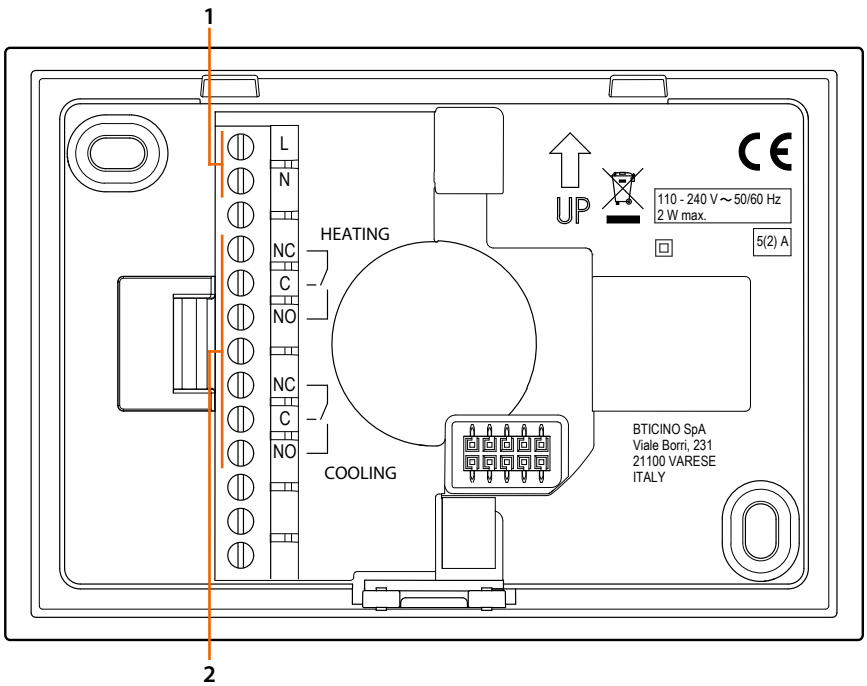
Rear view

XW8003/XM8003/XG8003



1. Power supply connection clamps
2. Connection clamps (future use)

XW8003W



1. Power supply connection clamps
2. Connection clamps (future use)

Technical data

Power supply	110 – 240 Vac , 50/60Hz
Absorption	2 W max
Maximum cable section	1 x 1,5mm^2
Contact output	5(2) A
Operating temperature	5 – 40 °C
Type of operation	1BU
Pollution index	2
Rated pulse voltage	4 kV
Compatible with IR emitter (3460IR)	
Compatible with Fancoil Actuator (0 489 10)	

Wireless device in compliance with 802.11b/g/n standard, frequency 2.4 - 2.4835 GHz, transmission power < 20 dBm. WEP/WPA/WPA2 safety protocol. IPv4 protocol.

Radio connection: short range communication, 868MHz/915MHz frequency, transmission power < 25mW e.r.p. *

Technology: Radio frequency range 2.4 GHz (16 channels) - Byte rate: 250 KB/s . Self healing MESH network with high security level (AES128) according to HA1.2 of IEEE 802.15.4 (LR-WPAN) standard.

** Radio connection with 868MHz/915MHz frequency is not active in Malaysia, China, Japan, Singapore, Taiwan, Thailand, Vietnam and Israel.*

Warnings and consumer rights

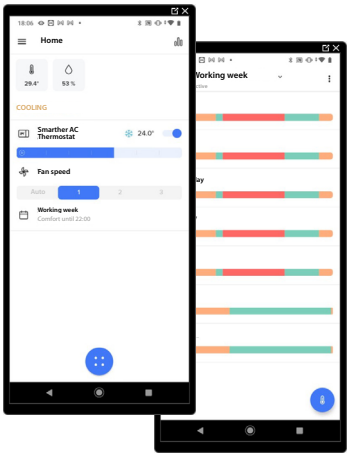
	Read carefully before use and keep for future reference
	Touching the units with wet hands is forbidden. Using liquid cleaners or aerosols is forbidden. Blocking the ventilation openings is forbidden. Modifying the devices is forbidden. Removing protective parts from the devices is forbidden. Exposing the unit to water drops or splashes is forbidden. Installing the units near heat/cold sources or hot/cold air emission points is forbidden. Installing the units near harmful gases and powders is forbidden. Fastening the units on unsuitable surfaces is forbidden.
	Danger of electrical shock.
	Risk of devices falling because the surface on which they are installed collapses or inappropriate installation. Switch the power supply OFF before any work on the system. Remote operation may cause damage to people or property.
	CAUTION: Installation, configuration, starting-up and maintenance must be performed only by qualified personnel. Check that the wall installation has been carried out correctly according to the installation instructions. Check that the unit installation complies with the standards in force. Connect the power supply wires as indicated. Use only the items indicated in the technical specifications for any system expansions

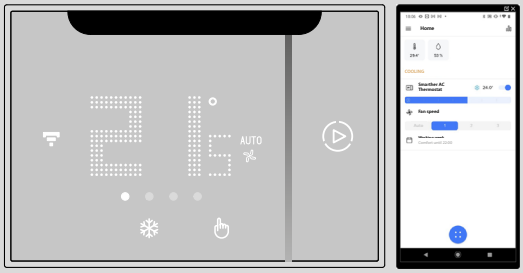
***NOTE**: remote operation may cause damage to people or property*

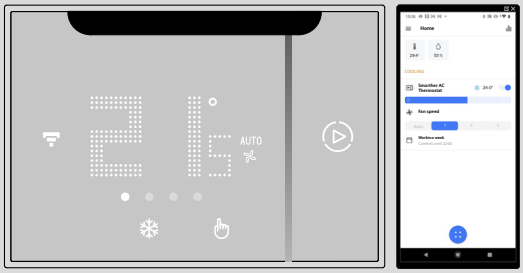
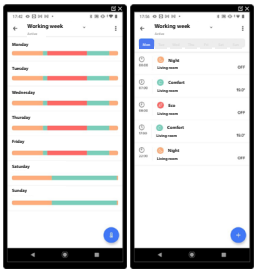
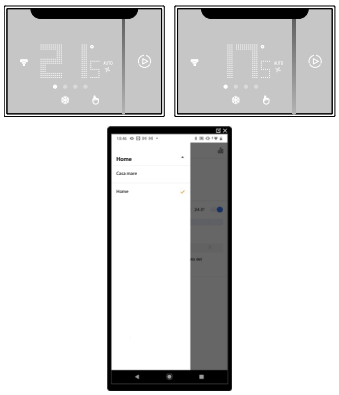
Operation

After associating an IR air conditioning unit or a fancoil actuator, the Smarther AC allows to:
- adjust the temperature manually
- switch the system on for a limited time (Boost mode)
- adjust the fans
- display the measured humidity

The advanced functions are available through the Home + Control App, which can be downloaded free from the Stores (for iOS devices from App Store, for Android devices from Play Store). In advanced mode, it is possible to program schedules and make different types of adjustments. The smartphone on which the Home + Control App is installed and the Smarther AC communicate with each other through the Wi-Fi connection of the device. A wired connection in addition to the mains power supply is therefore not required.



Functions	Functions available and differences between Smarther AC and App	
	 Smarther AC connected with the App	
	From Smarther AC	**By App**
Boost	☑ At the end of the set period the Smarther AC returns to the program in progress.	☑ At the end of the set period the Smarther AC returns to the program in progress.
Switching off	☑ The set mode is permanent	☑ The set mode is permanent
Set the temperature	☑ The set temperature has a fixed time (default 3 hours) which can be modified from the App	☑ The set temperature has a fixed time (default 3 hours) which can be modified
Fan speed AUTO	☑ Displayed in the third page	☑ Displayed in the Home Page
Display the humidity	☑ Displayed in the fourth page	☑ Displayed in the Home Page

Functions	Functions available and differences between Smarther AC and App	
	 Smarther AC connected with the App	
	From Smarther AC	**By App**
OFF mode (timed shutdown)	✖	✔
Absent mode	✖	✔
Settings	✖	✔
		– Enable touch interface (default: enabled) – Display brightness (*) (default: automatic without switching off) – Beep activation (default disabled) – Vibration activation (default: enabled)
Program of a daily or weekly temperature profile 	✖	✔
Management of several Smarther AC and several homes 	✖	✔

(*) display brightness levels: **Off, Automatic without switching off, Automatic with switching off, Customised**

***NOTE**: a domestic Wi-Fi with internet access is needed for the connection between the Smarther AC and the smartphone. To use the service, the Customer must acquire the technical equipment which allows access to the Internet, on the basis of an agreement made by the Customer himself with an ISP (Internet Service Provider). BTicino plays no part in this.*
Install the dedicated Home + Control application on your smartphone to program and use the Smarther AC. The services offered by means of the App require being able to interact with Smarther AC remotely and through the Internet. In these cases the integration and good working between Smarther AC and App may depend on:

- *a) – quality of the Wi-Fi signal;*
- *b) – quality of the data signal;*

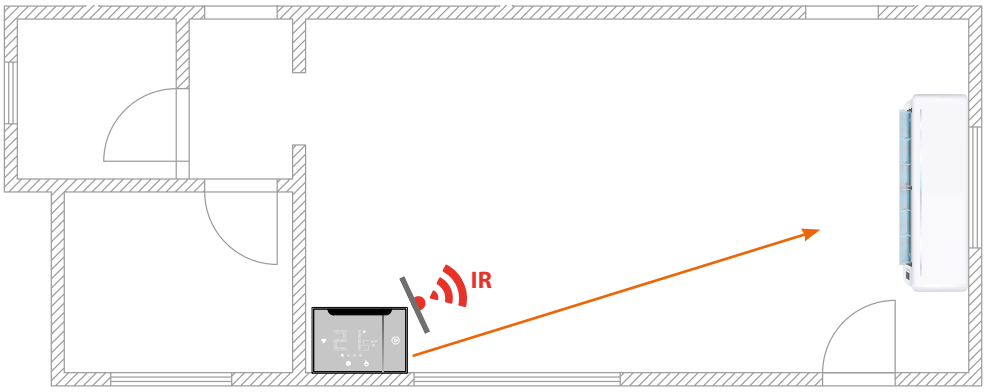
We would like to inform you that the remote use via the App involves the use of data. The cost linked to data usage depends on the type of contract which the customer has with his ISP (Internet Service Provider) and is solely the customer's responsibility.

Control an IR air conditioning unit

Thanks to the on-board IR emitter, the device can control an IR air conditioning unit in the same room through the infrared system.

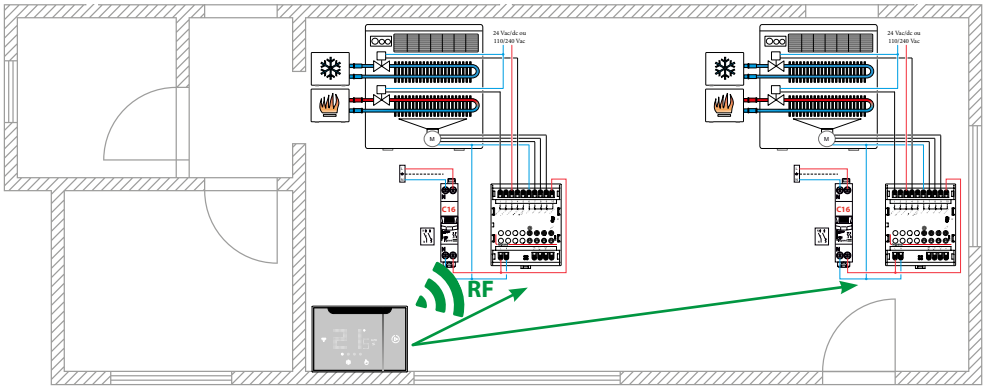
***NOTE**: Not all IR air conditioning units can be controlled from the Smarther AC. Consult your installer for further details*

***CAUTION**: The communication between the Smarther AC and the IR air conditioning unit is one-way from the former to the latter. This means that when a command is sent, no acknowledgement is received. To avoid malfunction, install the Smarther AC so that it is within the field of view of the IR air conditioning unit, making sure that there are no obstacles in between (plants, furniture, light fittings, etc.) that may impair communication between the infrared transmitter and receiver.*



Control one or more fancoil actuators connected to Fancoils

The device can control one or more fancoil actuators 048910 located in the same room via radio frequency. By closing the on-board contacts, the actuator can drive the valve opening and the 3 fan speeds.



Associate your Smarther AC

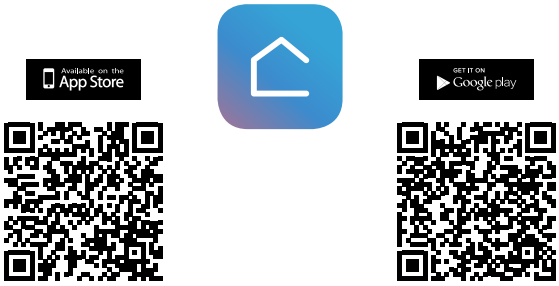
After powering, the device must be associated with the free Home+Control App in order to control it:

***CAUTION**: Without association with the App, it will also not be possible to use the local controls.*

To do this, you will need to:

1. Download the App from the Stores
2. Register and create an user account
3. Associate the account with your Smarther AC via the App

Sownload the Home+Control App



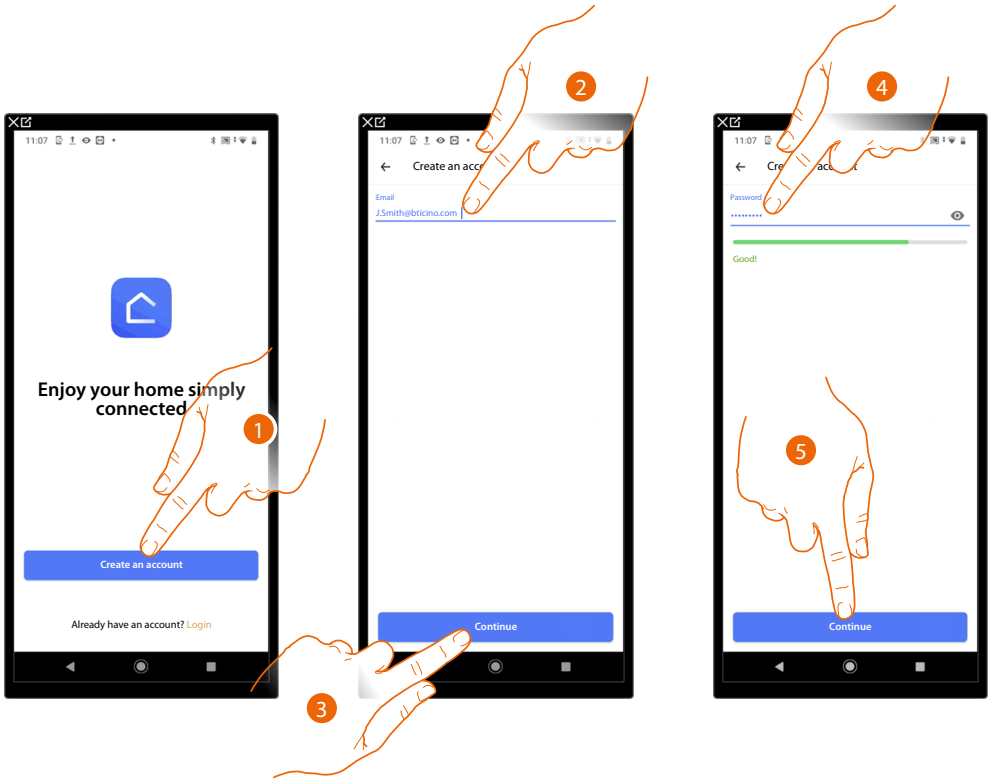
In order to remotely control your home, first of all download the App from the Stores (for iOS® devices from App Store, for Android® devices from Play Store)



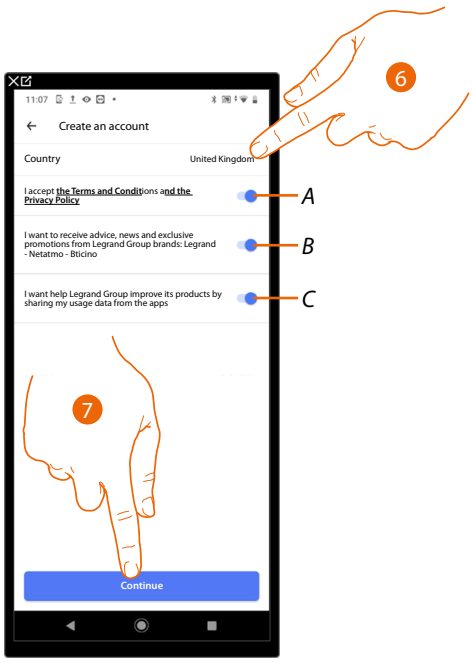
1. On your Smartphone run the App to read the QR codes and then frame the QR Code, or search for the Home + Control App in the stores.

Account registration on the user cloud

You must first register to be able to use the Home+Control App and thus use the Smarther AC advanced functions.
After opening the App follow the registration instructions:



1. Touch to register and create an account otherwise use your credentials if you are already registered
2. Enter the email address that you want to use for the registration
3. Touch to continue
4. Enter a password, which must meet the following requirements:
   – at least 8 characters;
   – at least one lower case letter (e.g. a);
   – at least one upper case letter (e.g. A);
   – at least one number (e.g. 1);
   – at least one special character (e.g. $);
5. Touch to continue



6. Select the country

A Touch to accept the terms and conditions of use laid down in the associated text (obligatory)

B Touch to enable the forwarding of news and promotions regarding Legrand group products

C Touch to help the Legrand group to improve its products

7. Touch to create an account

At this point, the system will show you a tutorial to help complete the **association with your Smarther AC**.

Association of the Home+Control account with the Smarther AC

This association procedure varies according to:

- the type of system
- the devices to be associated with the Smarther AC
- the operating system of the Smarther AC on which the Home+Control App has been installed

Association of the Smarther AC with an **IR air conditioning unit** using a smartphone with **Android operating system**



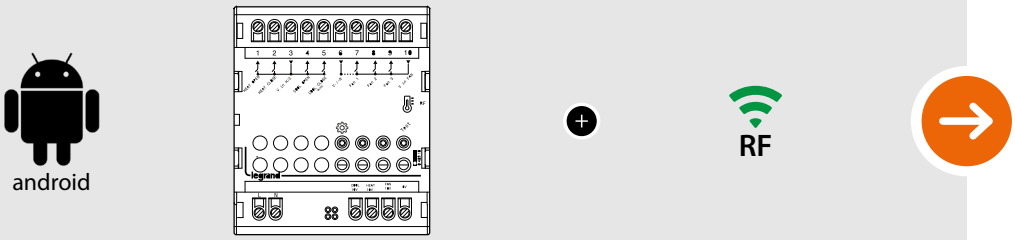
NOTE: *Not all IR air conditioning units can be controlled using the Smarther AC. Consult your installer for further details*

Association of the Smarther AC with an **IR air conditioning unit** using a smartphone with **iOS operating system**

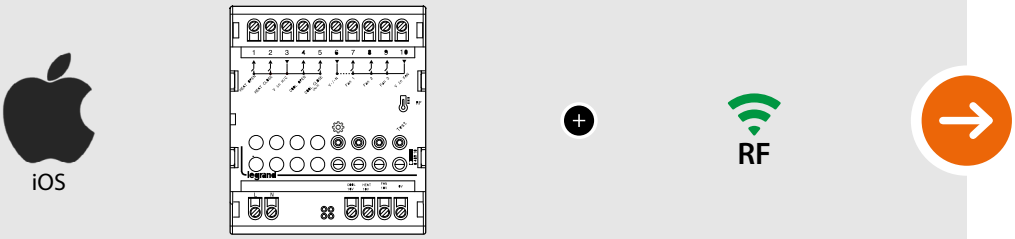


NOTE: *Not all IR air conditioning units can be controlled using the Smarther AC. Consult your installer for further details*

Association of the Smarther AC with the **fancoil actuator (Radio Frequency)** using a smartphone with **Android operating system**



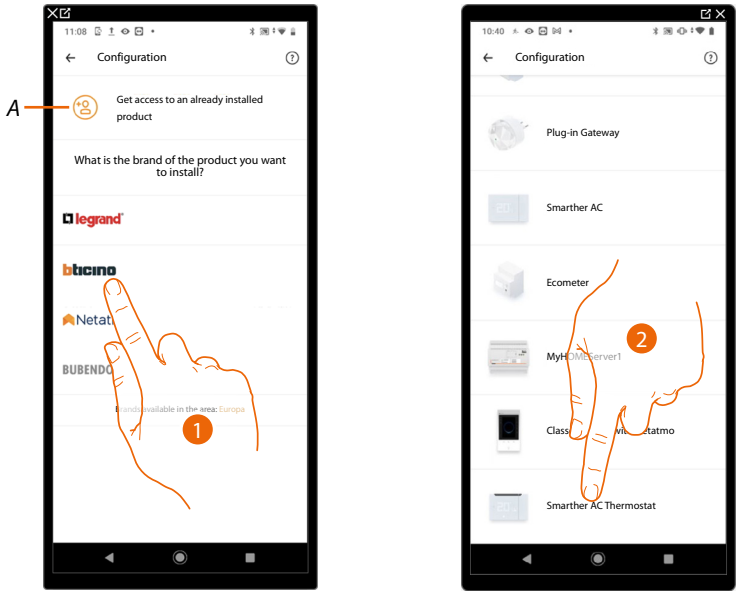
Association of the Smarther AC with the **fancoil actuator (Radio Frequency)** using a smartphone with **iOS operating system**



Association of the Smarther AC with an IR air conditioning unit using a smartphone with Android operating system

***NOTE**: Not all IR air conditioning units can be controlled from the Smarther AC. Consult your installer for further details*

***NOTE**: Before starting the association with the home, establish the connection with the home Wi-Fi*



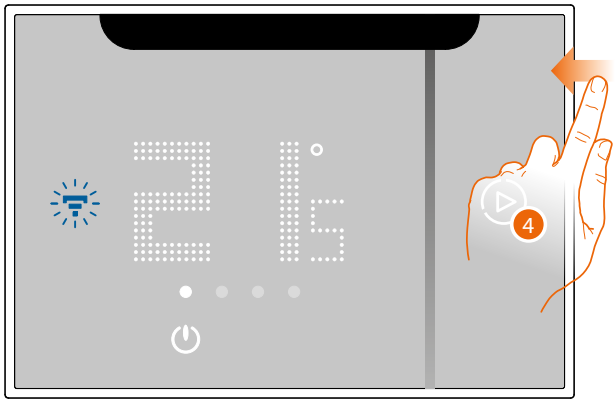
A Touch if you have been invited to manage the home

1. Touch to select the brand of the product to install
2. Touch to select the Smarther AC



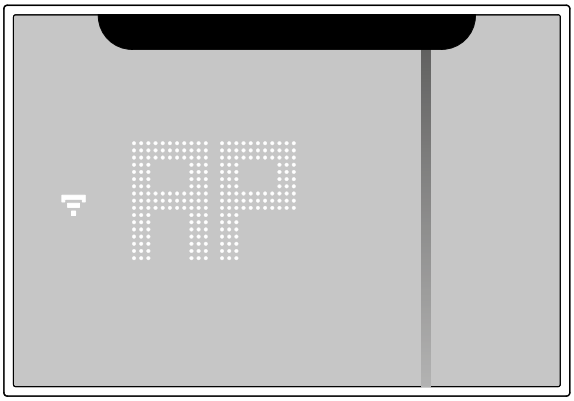
3. Touch to start the configuration

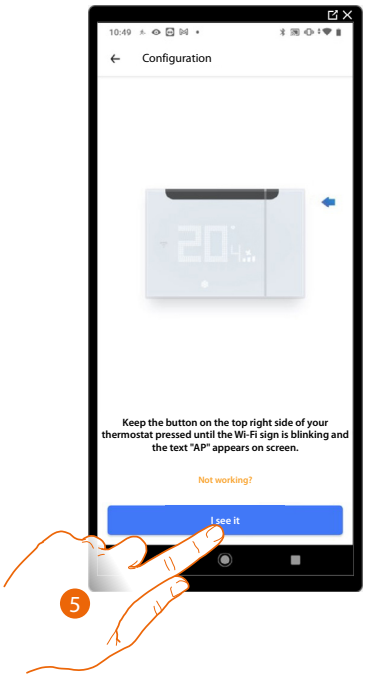




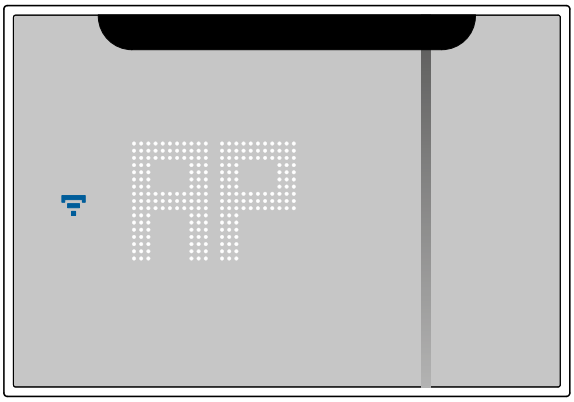
A Opens the FAQ to help in the resolution of the problem

4. Keep the upper Smarther AC pushbutton pressed until "AP" appears





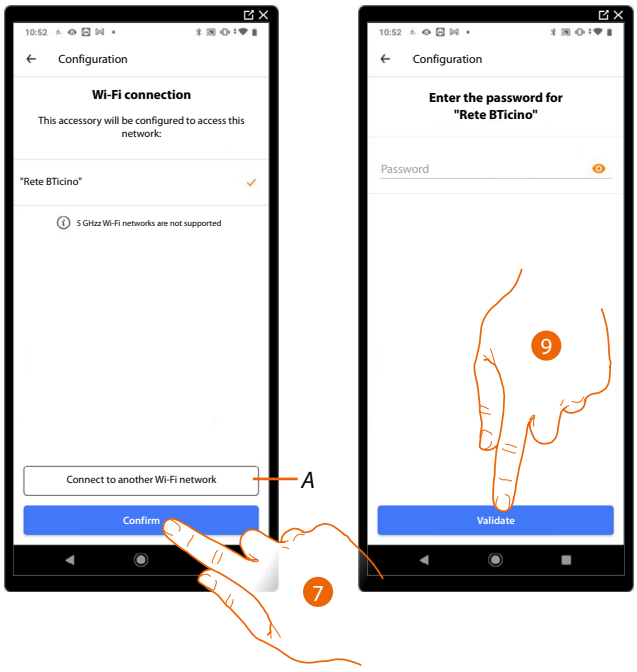
5. Press to continue

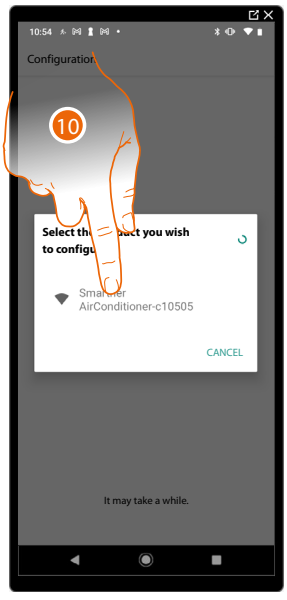




6. The Smarther AC shows the blue Wi-Fi symbol. Touch it to continue the configuration

A Indicates that you are trying to complete the association using an incorrect App

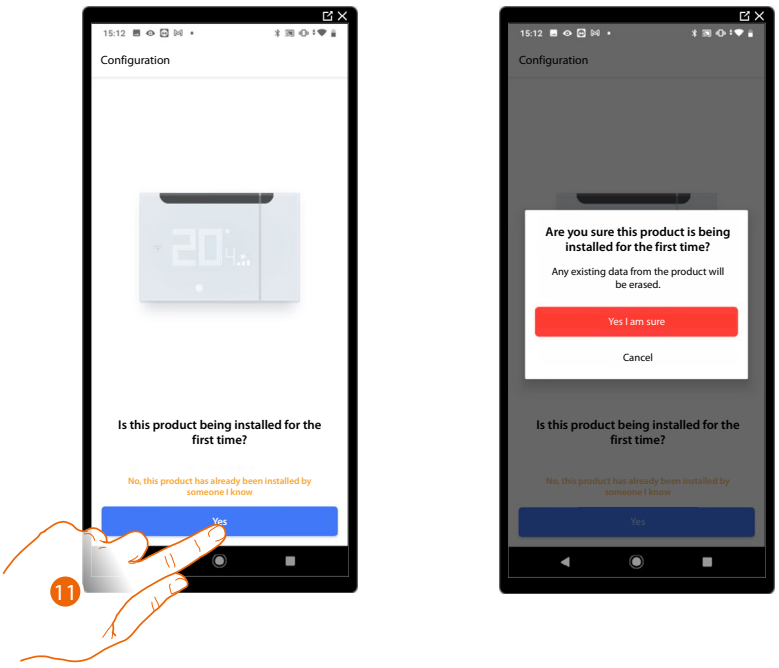




7. Touch to confirm the suggested home Wi-Fi network, otherwise touch (A) *to* select a different one
8. Enter the home Wi-Fi password
9. Touch to continue

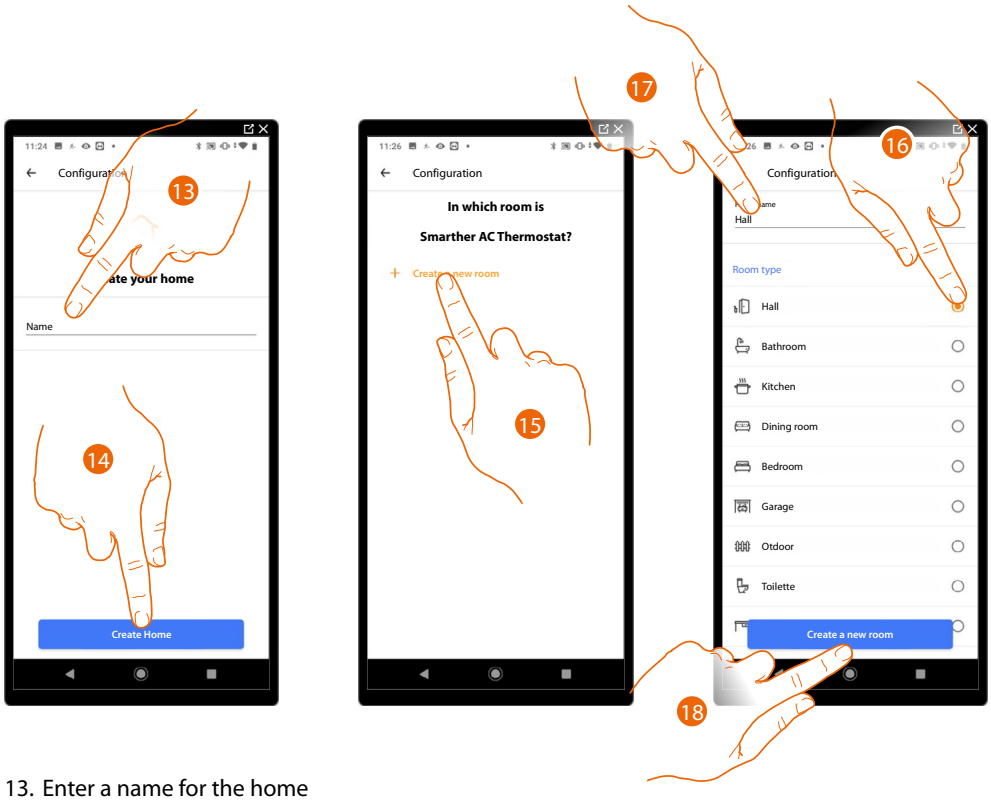
***NOTE**: If the firmware of your device is not up to date, the firmware update screens may appear.*

10. Select the Smarther AC

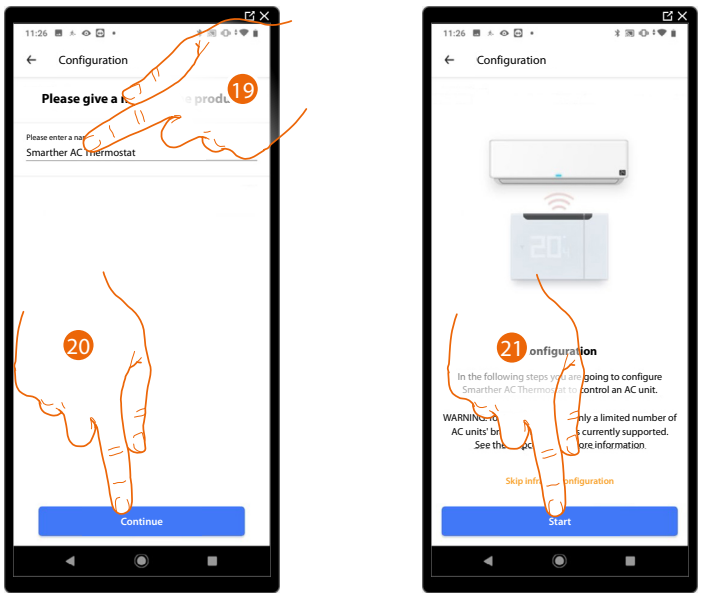


11. Touch if this is the first Smarther AC installation
12. Touch to confirm that this is the first installation

CAUTION: *All the existing data will be deleted*

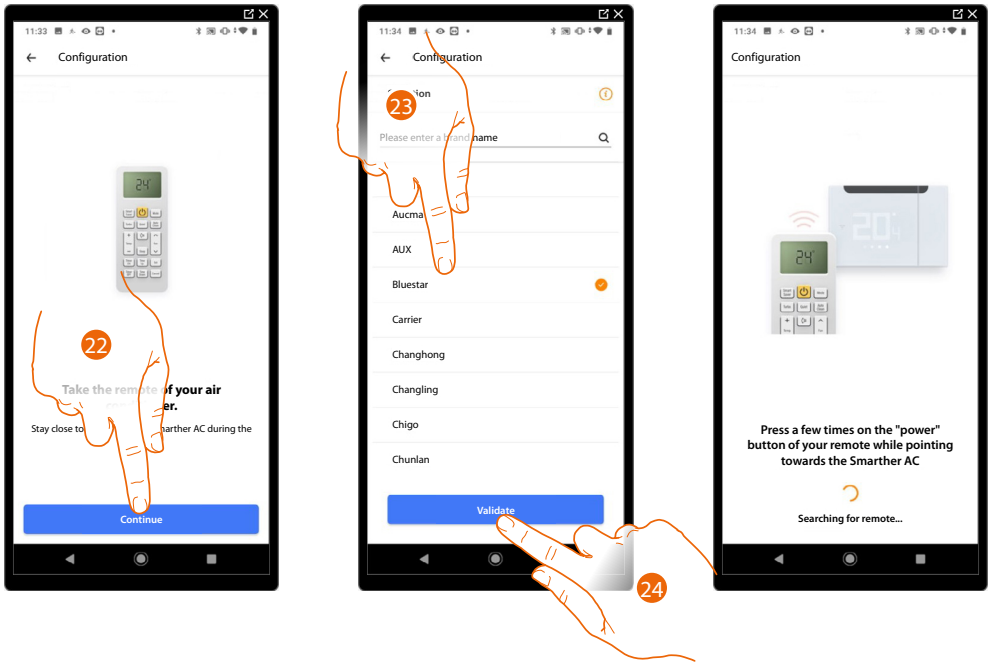


13. Enter a name for the home
14. Touch to create a new Home+Control home
15. Touch to create a new room
16. Select the type of room where the Smarther AC has been installed
17. If necessary touch to rename the room
18. Touch to confirm



19. Customise the Smarther AC name
20. Touch to confirm
21. Touch to start the association of the thermostat with the IR air conditioning unit

***NOTE**: At the moment, only a limited number of air conditioning unit brands and models are supported. See the Help centre for more information.*



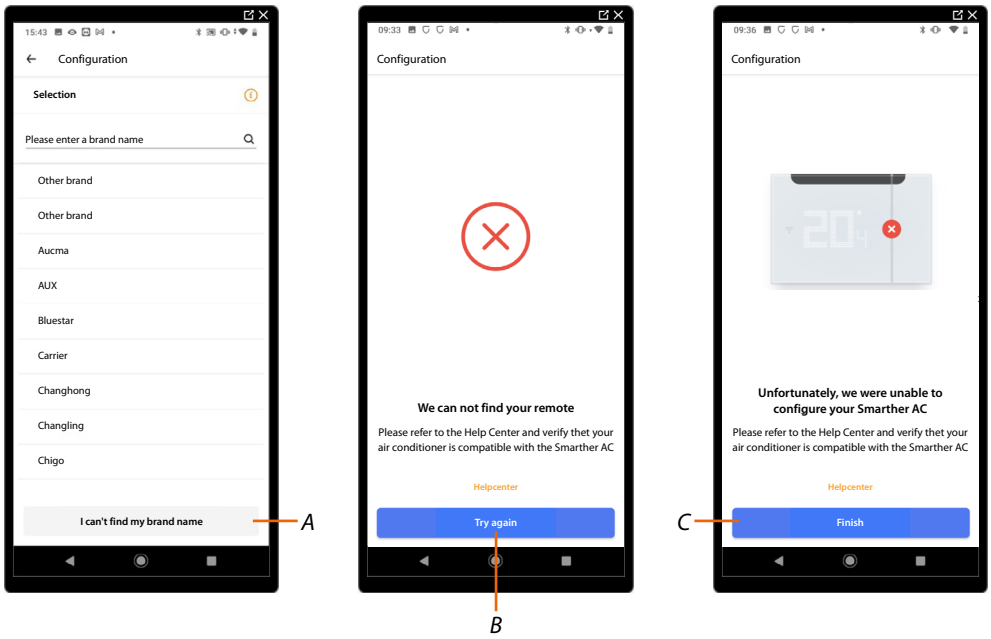
22. Take the IR air conditioning unit remote control and move it close to the Smarther AC. Touch to continue
23. Select the IR air conditioning unit brand
24. Touch to continue

***NOTE**: Not all IR air conditioning units can be controlled from the Smarther AC. Consult your installer for further details*



25. Place the IR air conditioning unit remote control in front of the Smarther AC and press the power button repeatedly

If the brand of your IR air conditioning unit is not in the list, the system will make a series of attempts with various radio frequencies with the aim of finding the one suitable for your IR air conditioning unit.



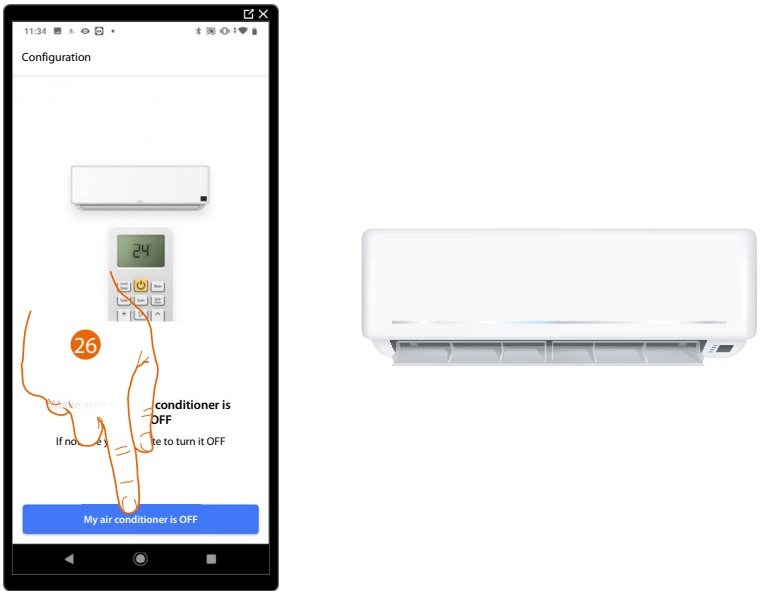
A Touch if your IR air conditioning unit is not in the list and then follow the steps at 26

B Touch to try again

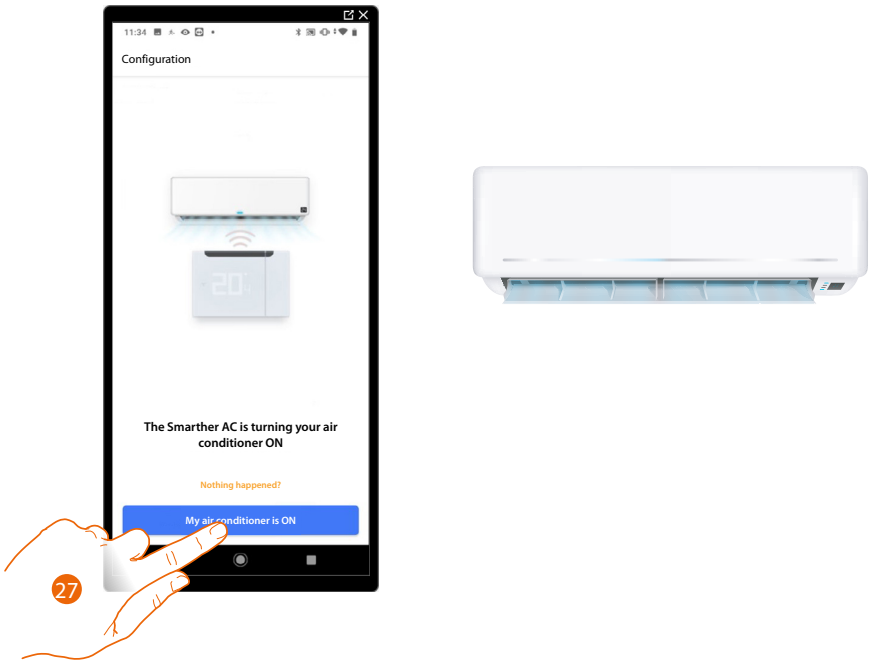
C If also this further attempt fails, touch to end

You can now skip the procedure, but the Smarther will not be able to control the IR air conditioning unit.
The database is updated regularly with new IR air conditioning unit brands and models.
Try repeating the procedure after a firmware update: your air conditioning unit may have been included in the database.

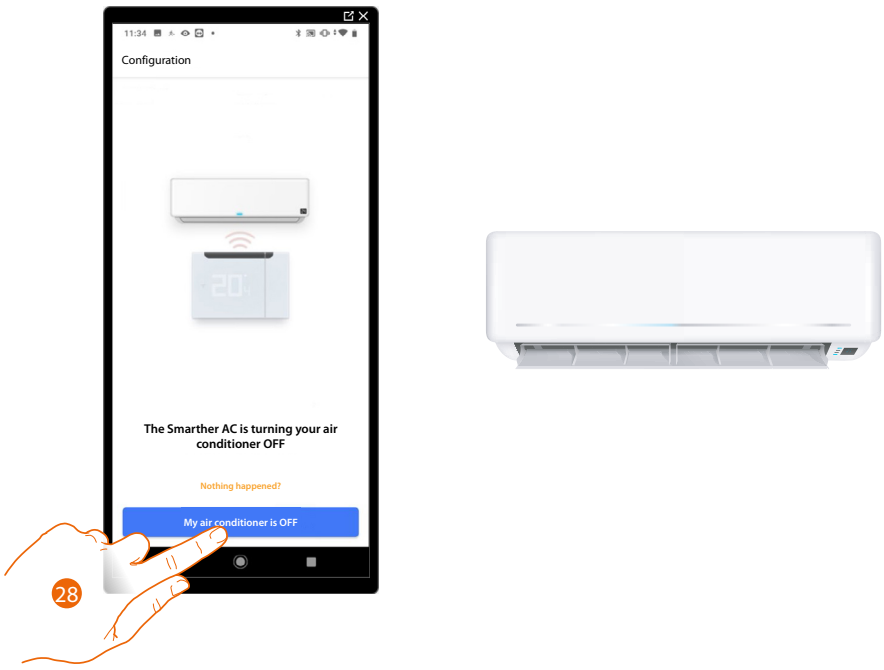
Now the system will prompt to perform some actions to test the correct connection between Smarther AC and IR air conditioning unit.



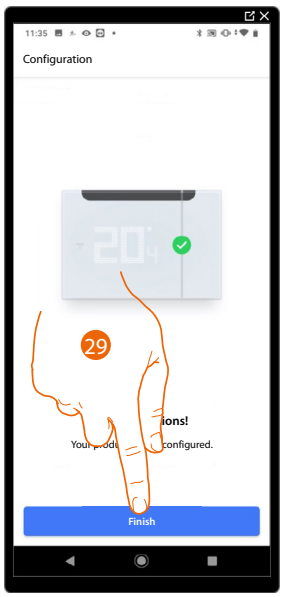
26. Make sure your IR air conditioning unit is switched off and touch to confirm: a switch on command will be sent.



27. If the IR air conditioning unit switches on, touch to confirm: a switch off command will be sent.



28. If the IR air conditioning unit switches off, touch to continue



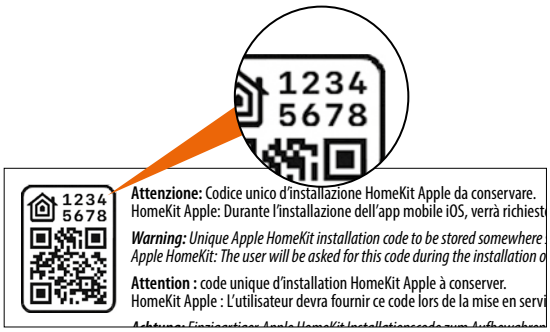
29. With the Smarther AC it is now possible to control the IR air conditioning unit; touch to finish. At this point, the tutorial will help you create a program for adjusting the temperature

Association of the Smarther AC with the IR air conditioning unit using a smartphone with iOS operating system

Preliminary operations for the use of a smartphone with iOS operating system

Before the association, prepare the HOMEKIT® CODE to be scanned or note it down in the appropriate space.
You can find the HOMEKIT® CODE:

– on the instruction sheet



HOMEKIT® CODE

.....

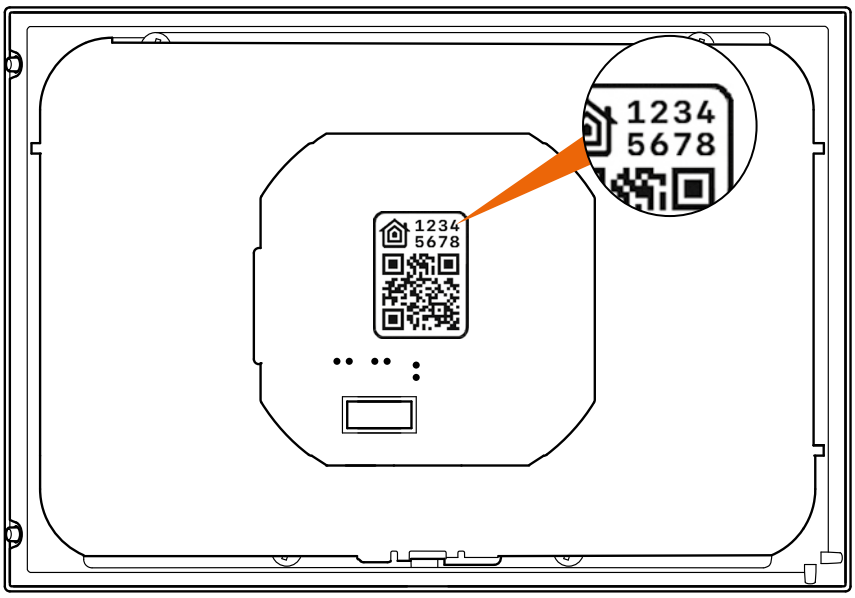
– on the protective film of the Smarther AC



HOMEKIT® CODE

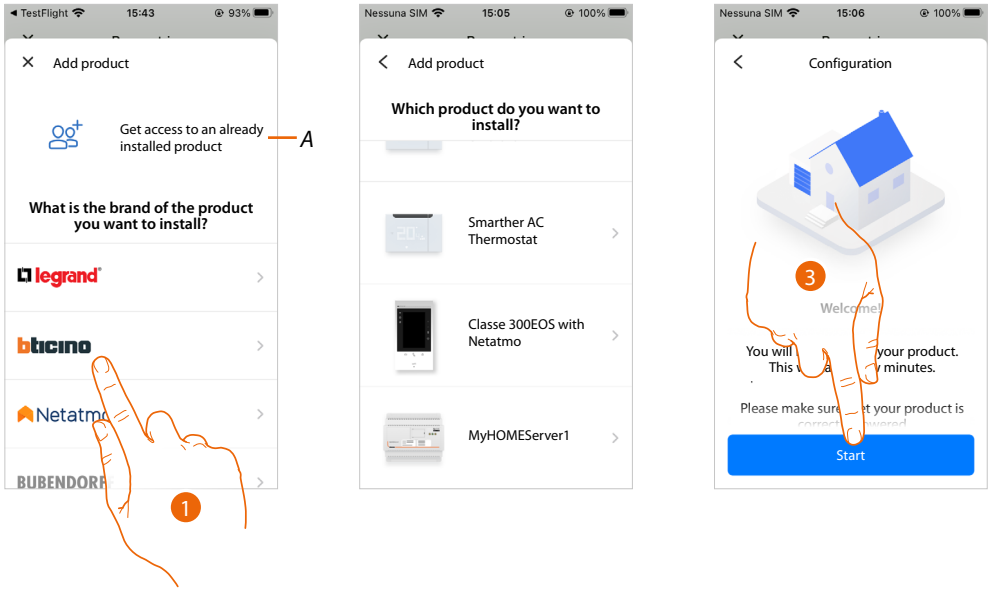
.....

– on the back of the Smarther AC



HOMEKIT® CODE

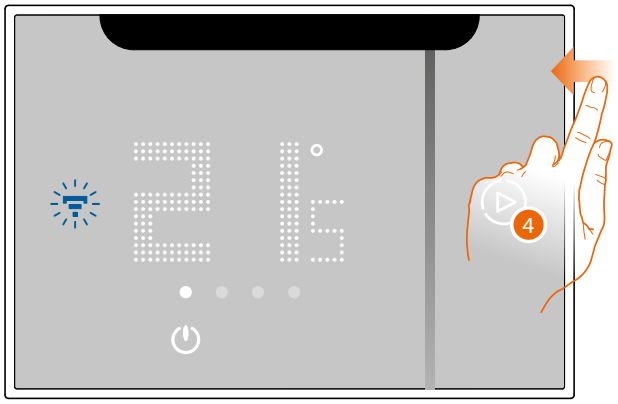
.....



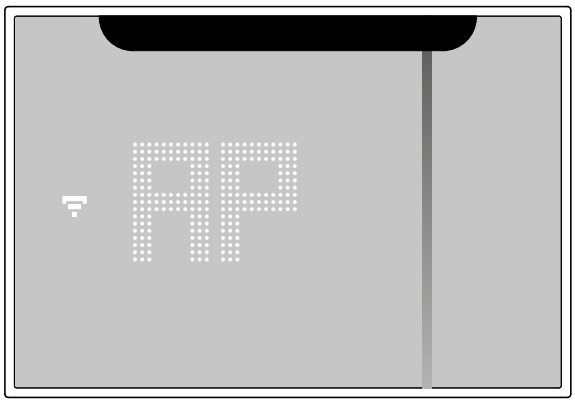
A *Touch if you have been invited to manage the home*

1. Touch to select the brand of the product to install
2. Touch to select the Smarther AC
3. Touch to start the configuration



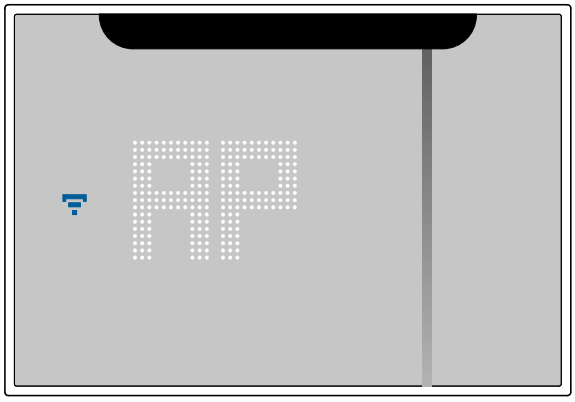


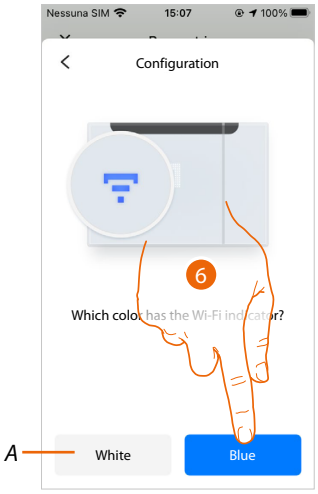
4. Keep the upper Smarther AC pushbutton pressed until "AP" appears





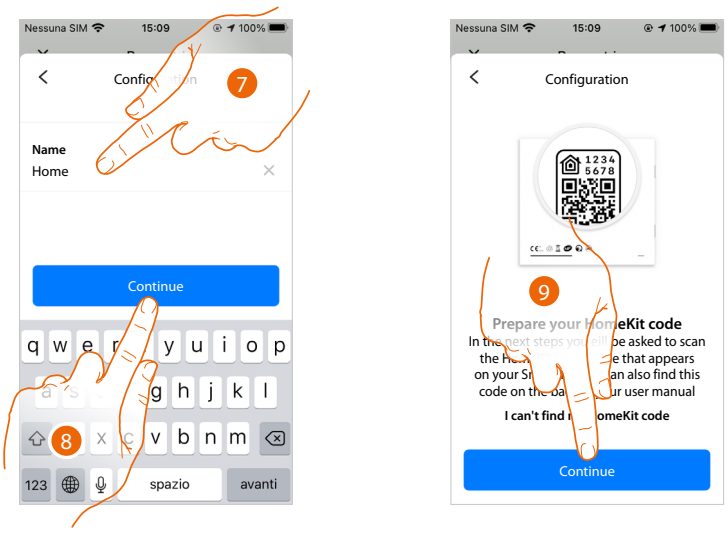
5. Press to continue





6. The Smarther AC shows the blue Wi-Fi symbol. Touch it to continue the configuration

A Indicates that you are trying to complete the association using an incorrect App



7. Enter a name for the home
8. Press to continue

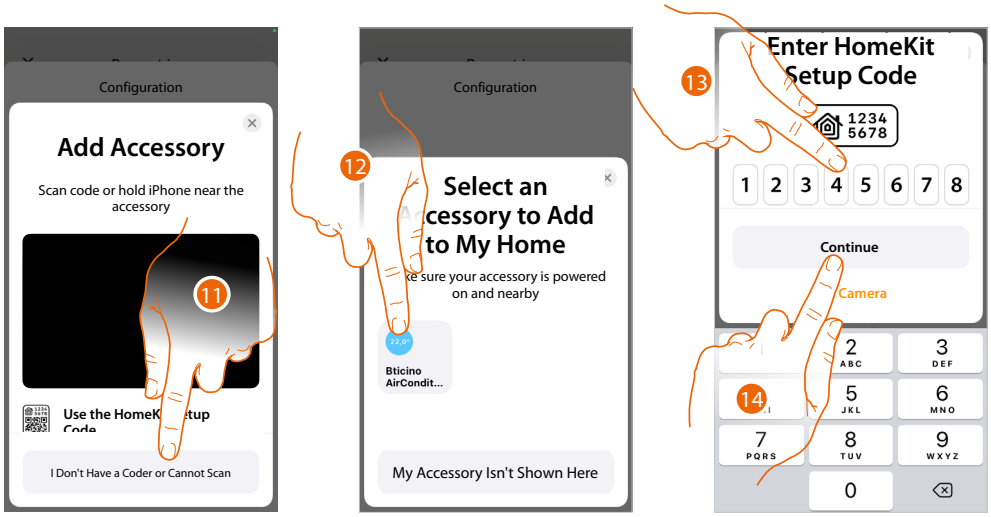
Prepare the HOMEKIT® CODE (see Preliminary operations for the use of a smartphone with iOS operating system)

9. Press to scan the HOMEKIT® CODE

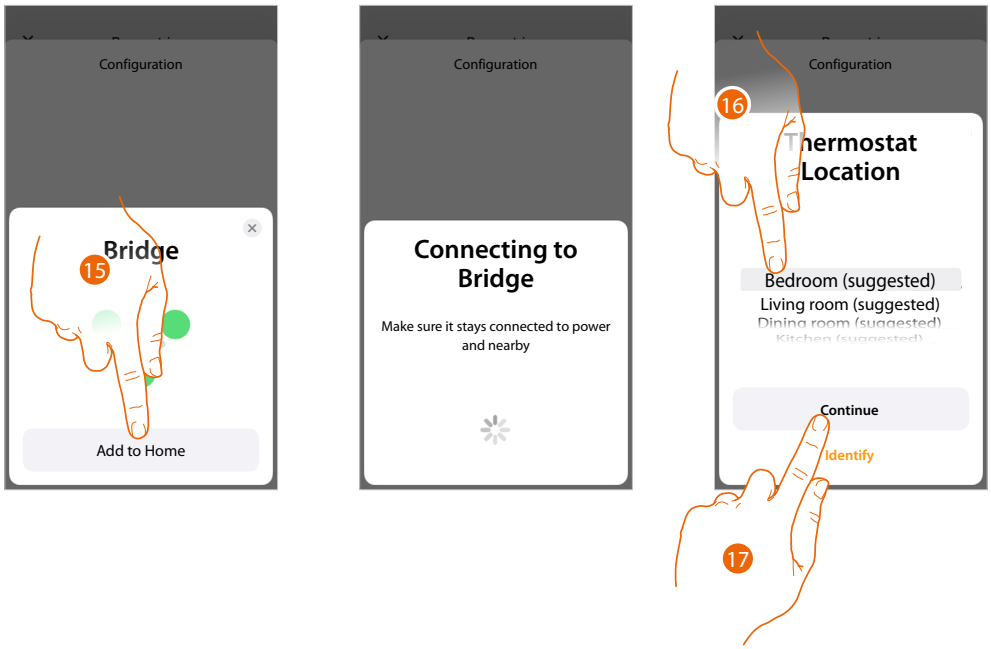


10. Scan the HOMEKIT® CODE

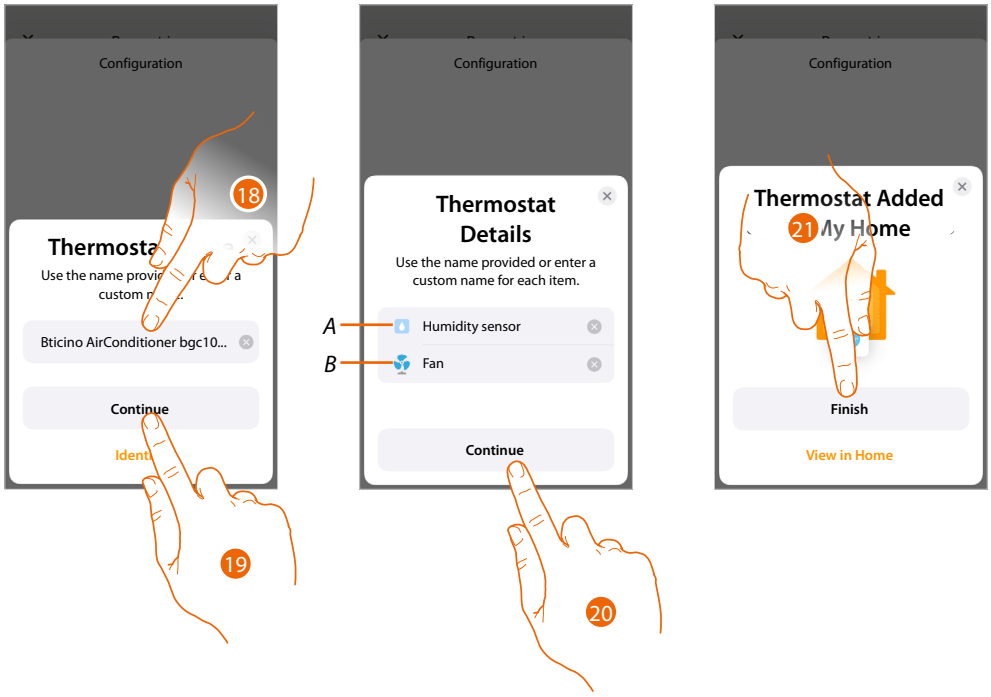
OR



11. If the code is not detected automatically, or if it cannot be scanned, touch to open the manual entry page
12. Touch the Smarther AC detected nearby
13. Manually enter the HOMEKIT® CODE
14. Touch to continue



15. Touch to add the Smarther AC into the home
16. Touch to select the type of room where to install the Smarther AC
17. Touch to confirm

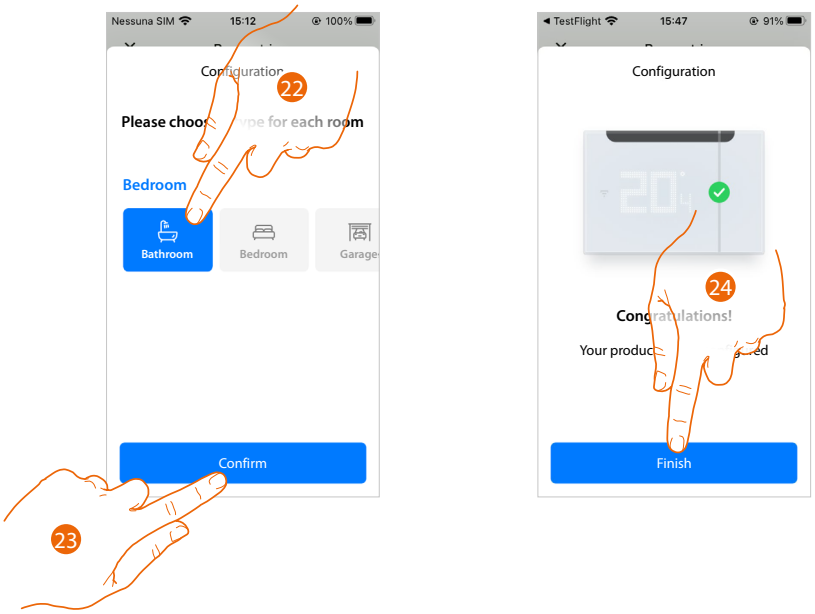


18. If necessary touch to rename the thermostat name
19. Touch to confirm

A *Rename the Smarther AC for the humidity detection function*

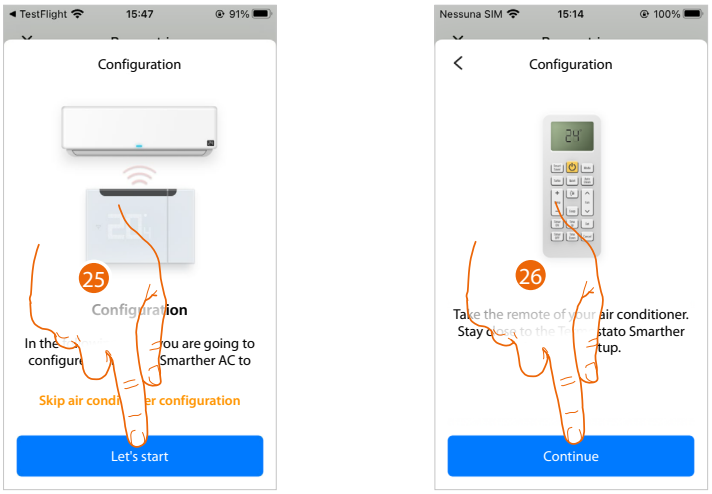
B *Rename the Smarther AC for the cooling function*

20. Touch to confirm
21. Touch to add the Smarther AC into the home

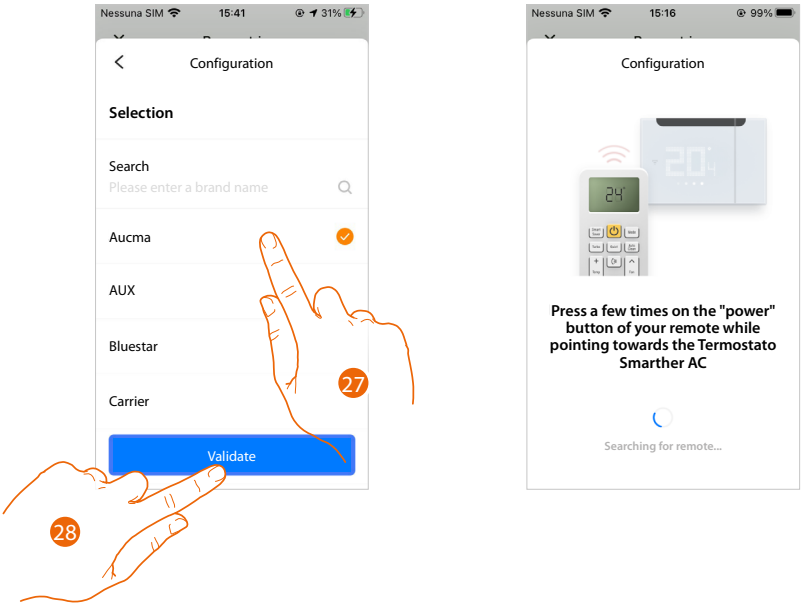


22. Touch to select the type of room where to install the Smarther AC
23. Touch to confirm
24. The Smarther AC is configured correctly; touch to end the configuration of the Smarther AC

It is now possible to start the association of the thermostat with the IR air conditioning unit



25. Touch to start the association of the thermostat with the IR air conditioning unit
26. Take the IR air conditioning unit remote control and move it close to the Smarther AC. Touch to continue



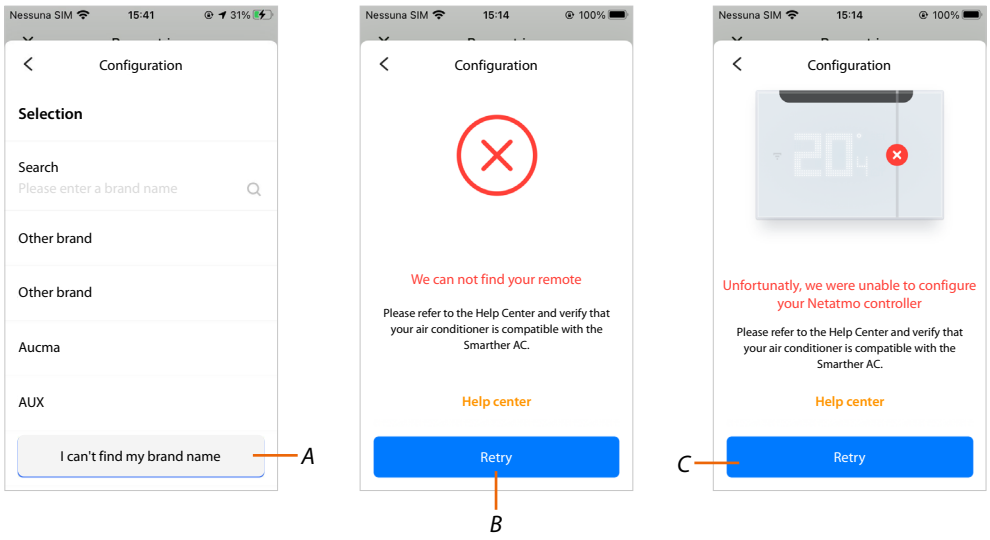
27. Select the IR air conditioning unit brand
28. Touch to continue

***NOTE**: Not all IR air conditioning units can be controlled from the Smarther AC. Consult your installer for further details*



29. Place the IR air conditioning unit remote control in front of the Smarther AC and press the power button repeatedly

If the brand of your IR air conditioning unit is on the list, the system will make a series of attempts with various radio frequencies, with the aim of finding the one in which your IR air conditioning unit operates.



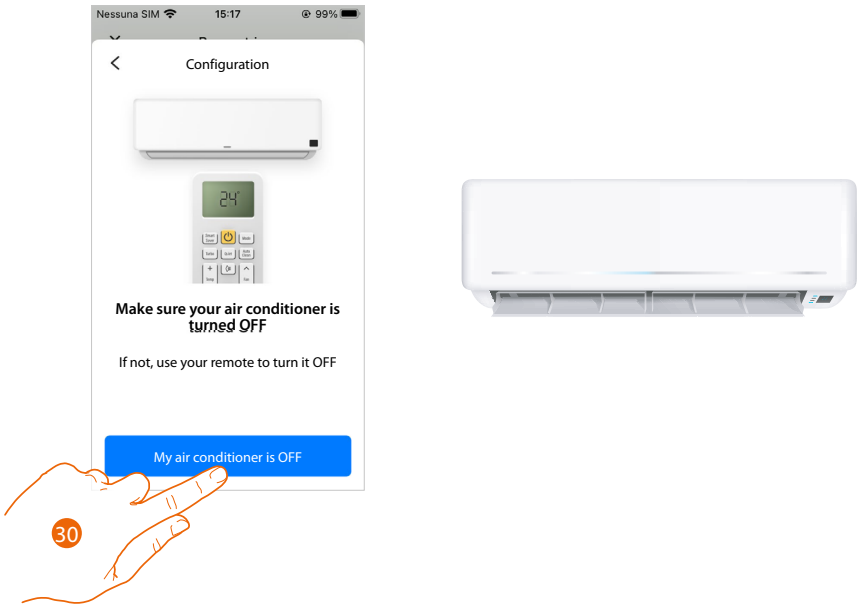
A Touch if your IR air conditioning unit is not in the list and then follow the steps at 29

B Touch to try again

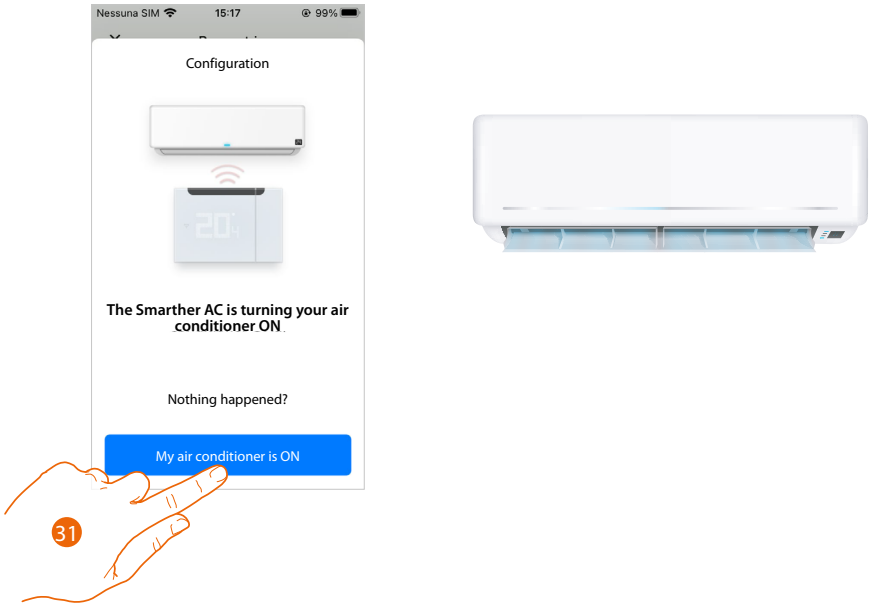
C If also this further attempt fails, touch to end

You can now skip the procedure, but it will not work: your device is not compatible with the IR air conditioning unit.

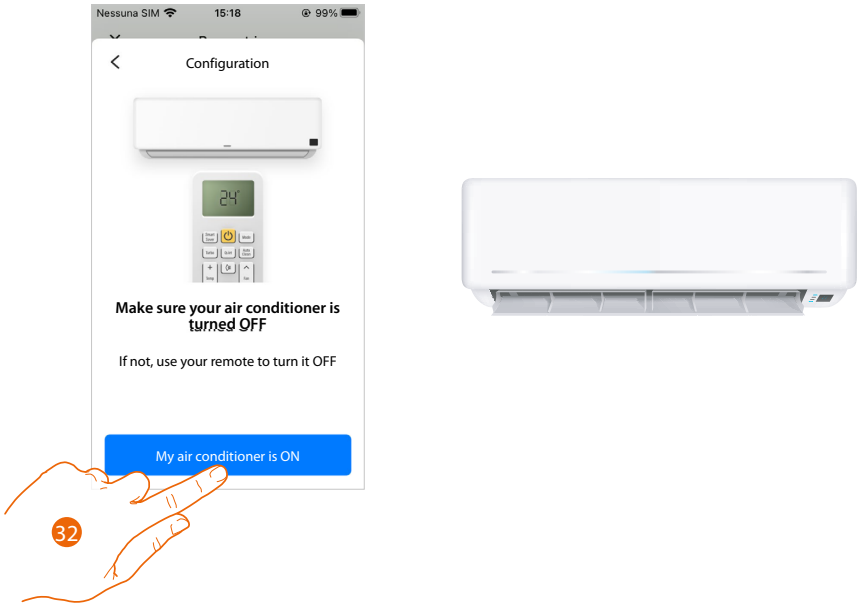
If your IR air conditioning unit is compatible, the system will prompt you to perform some actions to test the correct connection between the Smarther AC and the IR air conditioning unit.



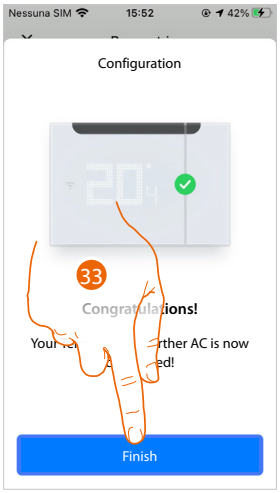
30. Make sure your IR air conditioning unit is switched off and touch to confirm: a switch on command will be sent.



30. If the IR air conditioning unit switches on, touch to confirm: a switch off command will be sent.



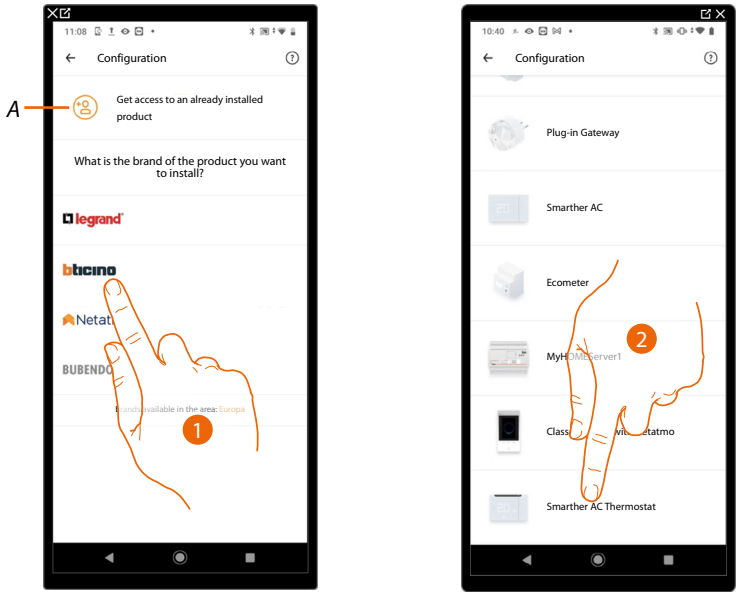
31. If the IR air conditioning unit switches off, touch to continue



33. Now the Smarther AC can control the IR air conditioning unit. Touch to finish.
    At this point, the tutorial will help you create a program for adjusting the temperature

Association of the Smarther AC with the fancoil actuator (Radio Frequency) using a smartphone with Android operating system

NOTE: *Before starting the association with the home, establish the connection with the home Wi-Fi*

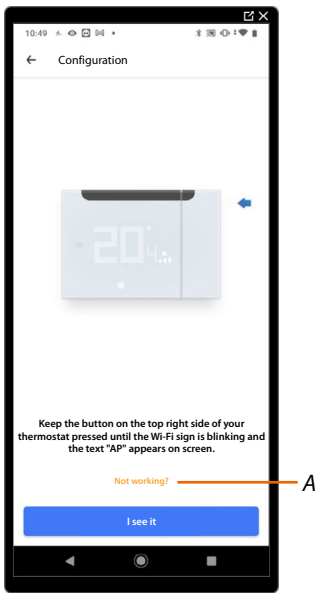


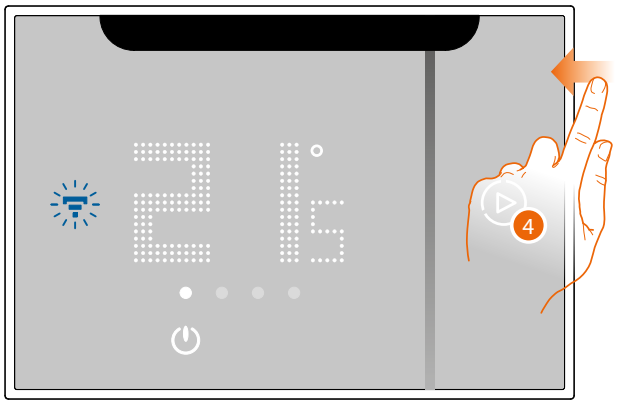
A Touch if you have been invited to manage the home

1. Touch to select the brand of the product to install
2. Touch to select the Smarther AC



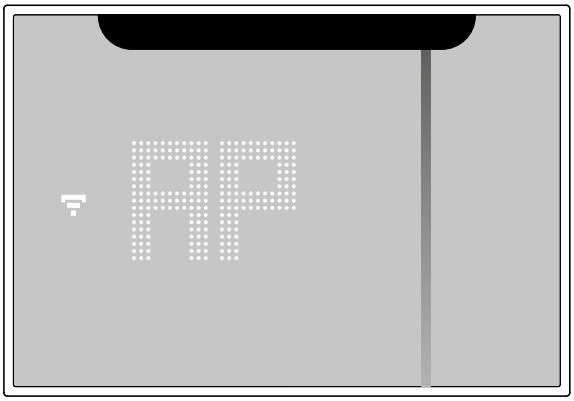
3. Touch to start the configuration

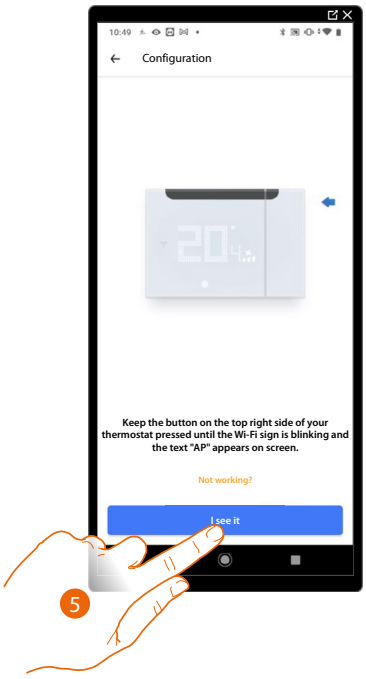




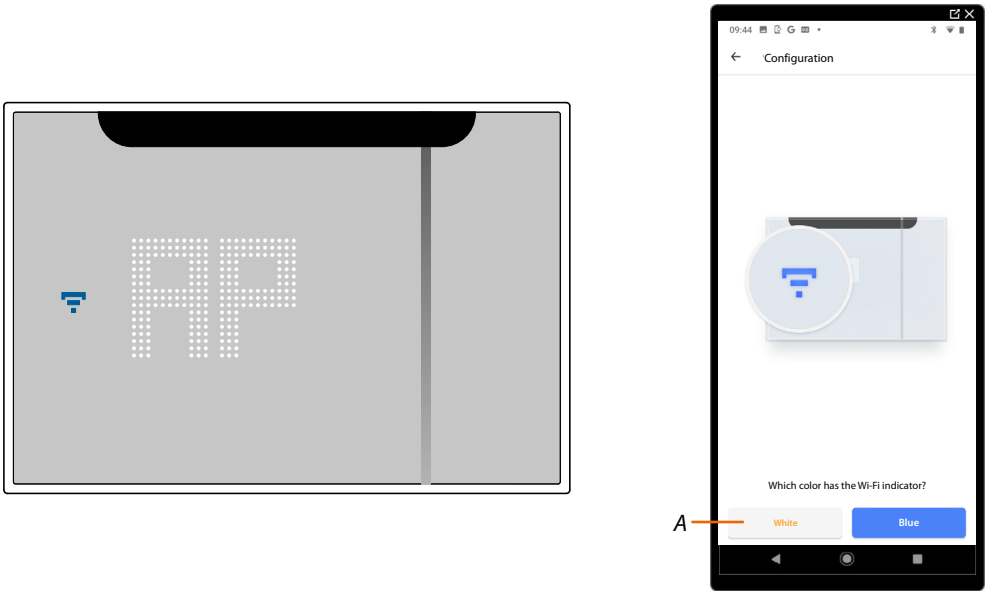
A *Opens the FAQ to help in the resolution of the problem*

4. Keep the upper Smarther AC pushbutton pressed until "AP" appears



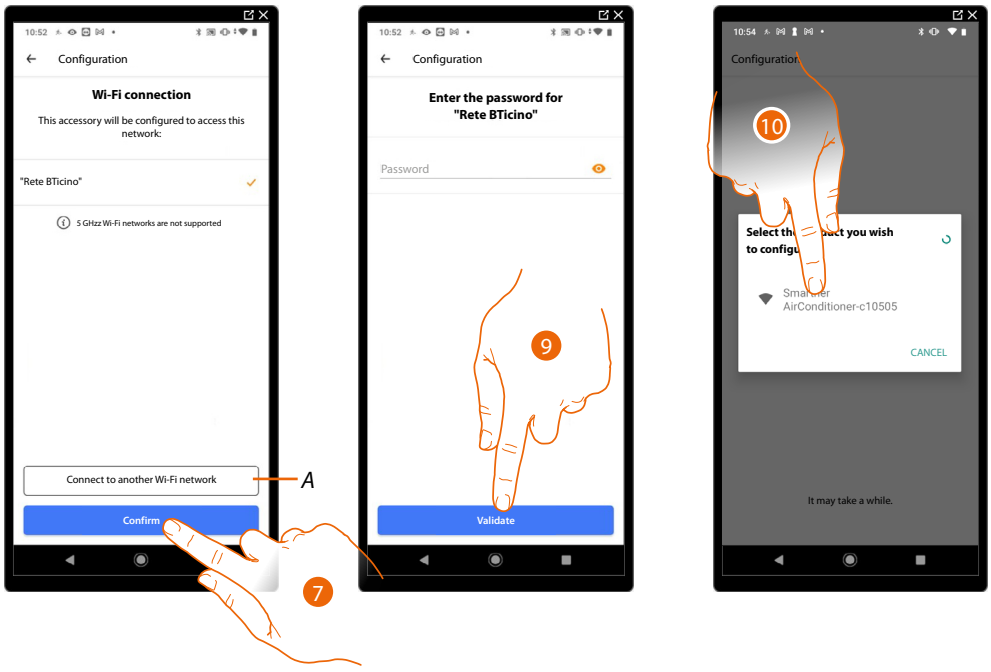


5. Press to continue



6. The Smarther AC shows the blue Wi-Fi symbol. Touch it to continue the configuration

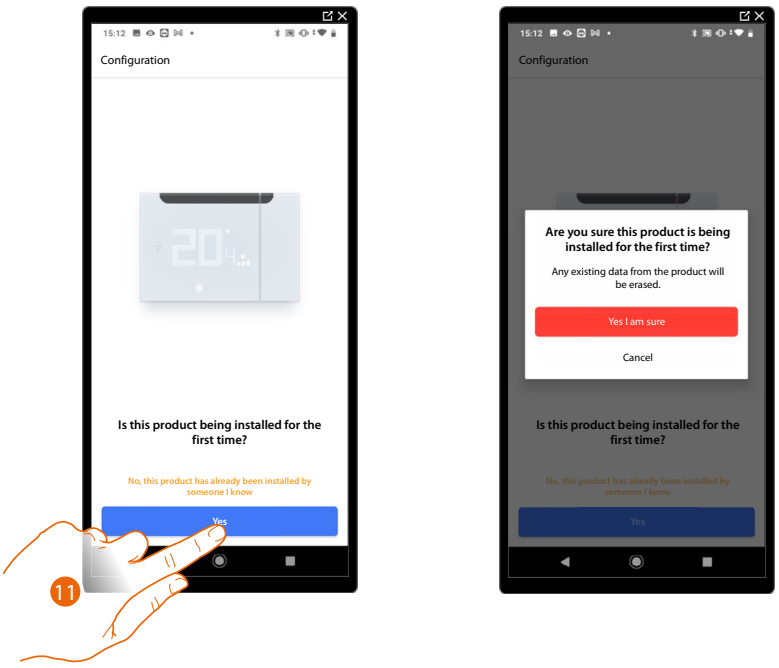
A Indicates that you are trying to complete the association using an incorrect App



7. Touch to confirm the suggested home Wi-Fi network, otherwise touch (A) *to* select a different one
8. Enter the home Wi-Fi password
9. Touch to continue

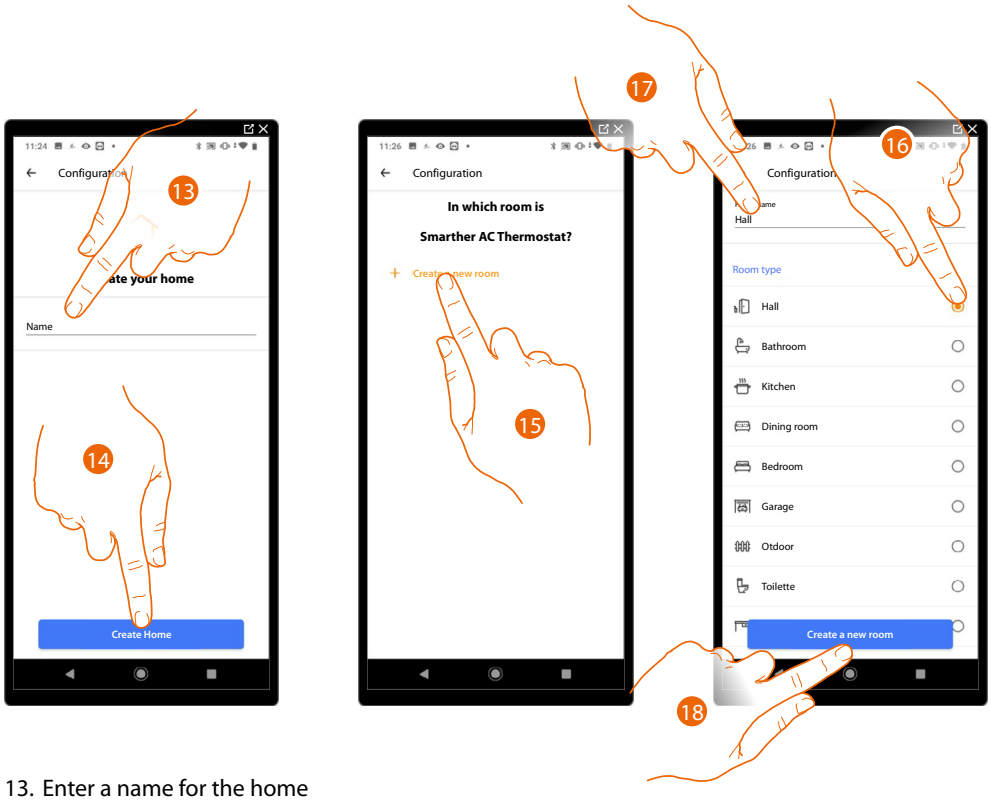
***NOTE**: If the firmware of your device is not up to date, the firmware update screens may appear.*

10. Select the Smarther AC

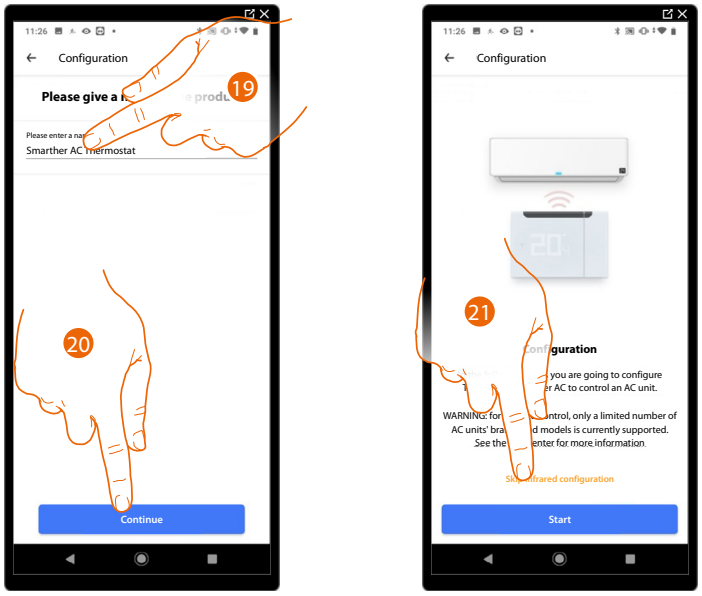


11. Touch if this is the first Smarther AC installation
12. Touch to confirm that this is the first installation

CAUTION: *All the existing data will be deleted*



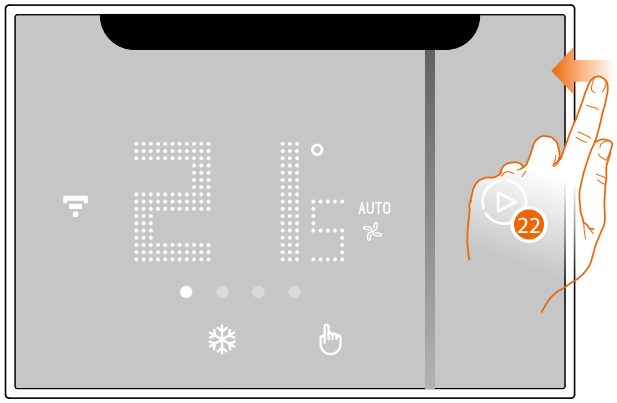
13. Enter a name for the home
14. Touch to create a new Home+Control home
15. Touch to create a new room
16. Select the type of room where the Smarther AC has been installed
17. If necessary touch to rename the room
18. Touch to confirm



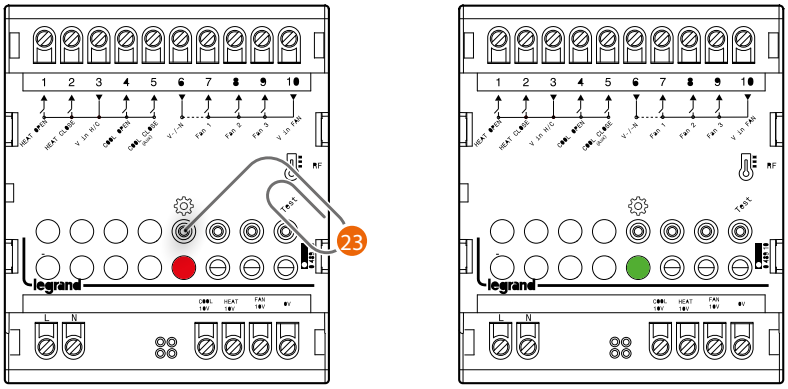
19. Customise the Smarther AC name
20. Touch to confirm
21. The tutorial prompts you to start the configuration of the IR air conditioning unit. Touch to skip this step and start the configuration of the fancoil actuator

Before proceeding to the next step of the tutorial (creating a temperature control programme), it is necessary to create a radio frequency network between the actuators and the Smarther itself.

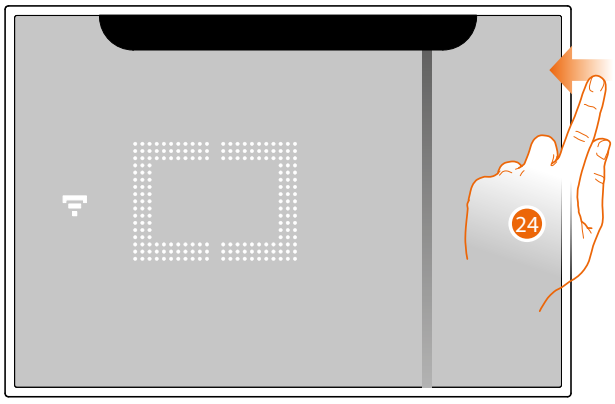
Creation of a radio frequency network



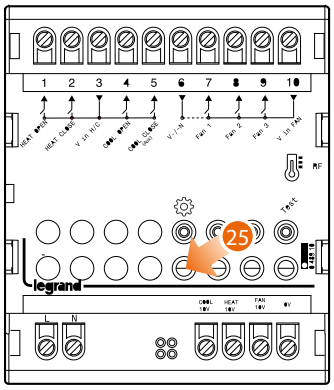
22. Keep the upper Smarther AC pushbutton pressed until the symbol "" appears



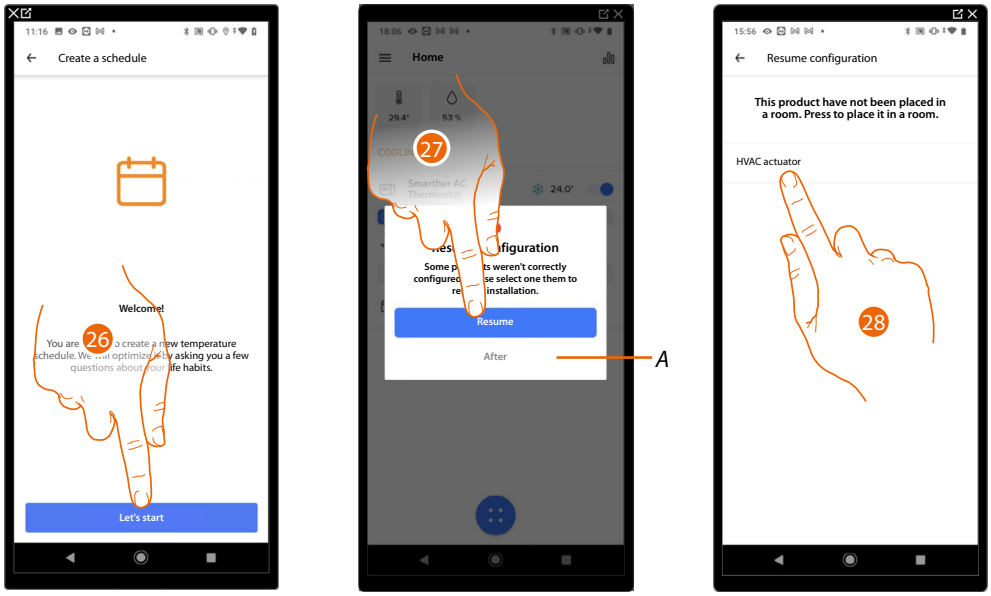
23. Briefly press the "Program" button on the actuator and wait for the green LED to come on. Repeat the same procedure for all the actuators (maximum 5 fancoil actuators, 1 Smarther AC in each room)



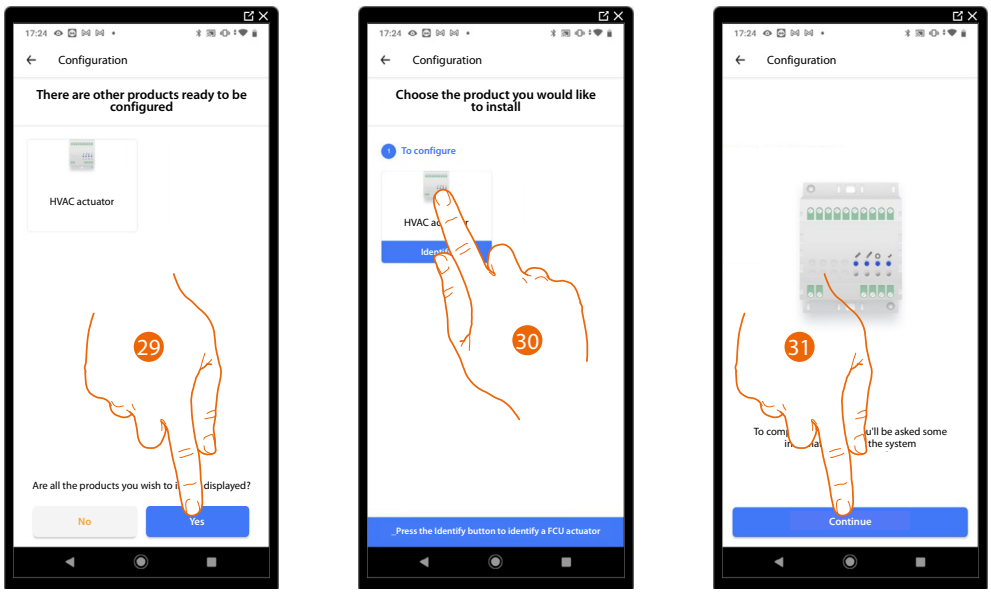
24. The network LED comes on; press and hold the top button of the Smarther AC for a few seconds and release it to finish.



25. The LED on the actuator turns off

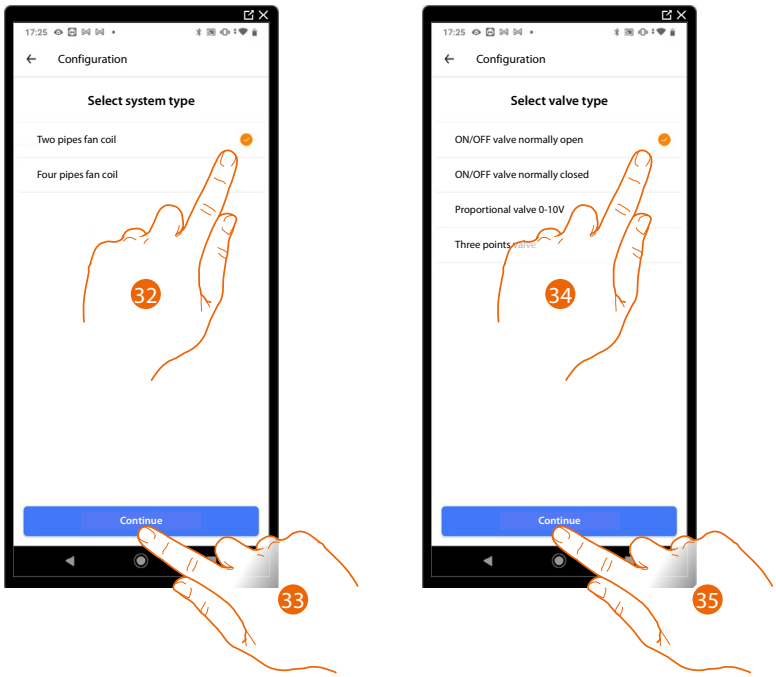


26. You can now continue with the tutorial and create a temperature control program (see Create a program using the guided procedure).
27. At the end of the tutorial, the Home Page shows a prompt to finish the procedure by configuring the actuator.
    Touch to immediately start the configuration, or touch (A) to perform it later in the Manage My Home section
28. Touch to configure the fancoil actuator



29. Touch to confirm if all the actuators are visible
30. Touch to select the actuator to configure
31. Touch to begin the configuration of the hydraulic parameters of the actuator

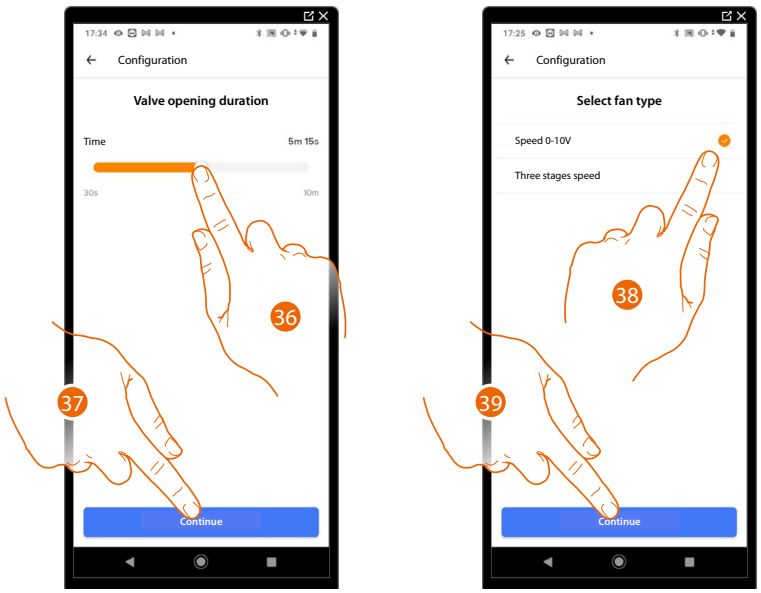
***NOTE**: Before setting these parameters, it is advisable to consult the heating engineer who designed the system. The parameters that need to be configured depend on the type of fancoils installed.*



32. Select the type of system
33. Touch to continue
34. Select the type of valve

***NOTE**: If you select the "three point valve" type, you are also asked to define the "valve opening duration" parameter.*

35. Touch to continue

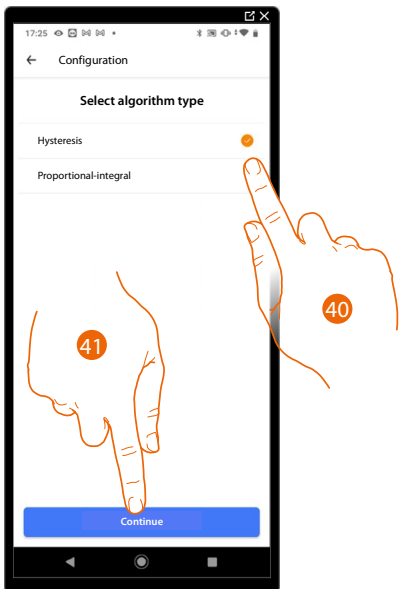


36 If in the previous step you selected the "three point valve" type, you are asked to set the valve opening duration.

37. Touch to continue

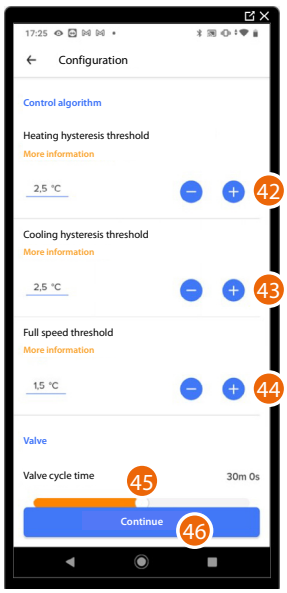
38. Select the type of fan

39. Touch to continue



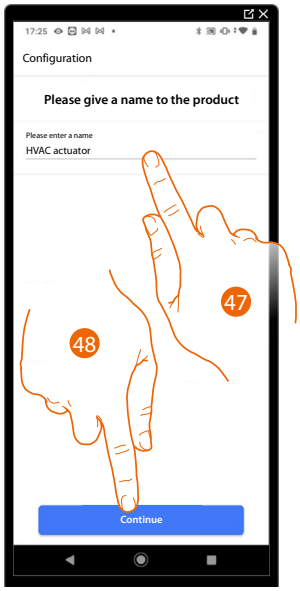
40. Select the type of algorithm among:
Hysteresis algorithm: *this algorithm is based on the hysteresis, la the capacity of a structure to change its temperature more or less slowly depending on the type of system and then according to the speed that the installed devices use to heat/cool*
If you select this algorithm, you must define its thresholds (see next screen).
Integral Proportional Algorithm (IP): *this control mode continuously adapts the system's operating time based on the difference between the room temperature and the programmed temperature.*
For example, the system can switch off when the room temperature is below the programmed temperature because the thermostat estimates that the temperature will be reached without additional energy input due to the inertia.
On the contrary, the system can switch on when the programmed temperature has already been reached in order to anticipate a possible temperature drop.
The Integral Proportional adjustment allows the set temperature to be maintained with precision, without overheating or excessive consumption.
It improves comfort and offers up to 10% energy savings.
This algorithm requires no further setup.

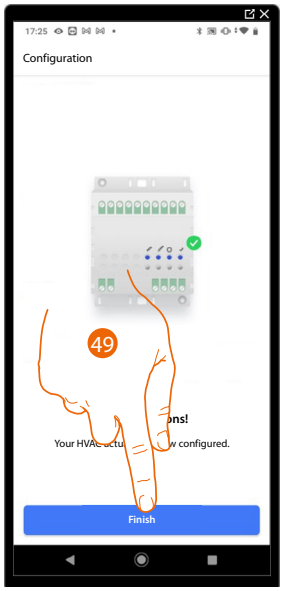
41. Touch to continue

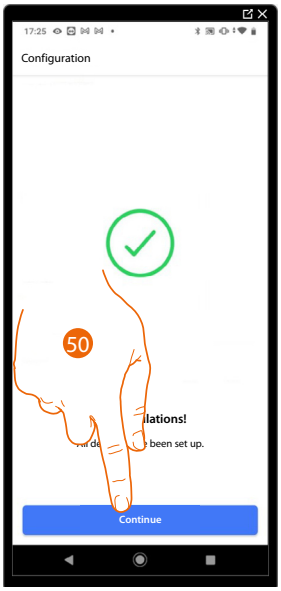


***NOTE**: This configuration is only necessary when "Hysteresis" is selected as algorithm in the previous step*

42. Touch to set the hysteresis value for heating
    Hysteresis values:
    ***0,1°C:** suitable for high hysteresis (slow) heating and cooling systems.*
    ***5°C:** setting suitable for low hysteresis (fast) heating and cooling systems*
43. Touch to set the hysteresis value for cooling
44. Touch to set the threshold value at which the fancoil activates at maximum speed. Example: Set temperature = 24C°, full speed threshold =1.5C°, measured temperature 25.5C°; the fancoil switches on at maximum speed to reach the set temperature as quickly as possible.
45. Scroll to select the minimum time during which the thermostat will activate the system. This function is useful to avoid pointless system activations.
    For example, if the controlled thermostat valve has an opening time of 2 minutes, it is recommended that this parameter is set to 2 minutes
46. Touch to continue







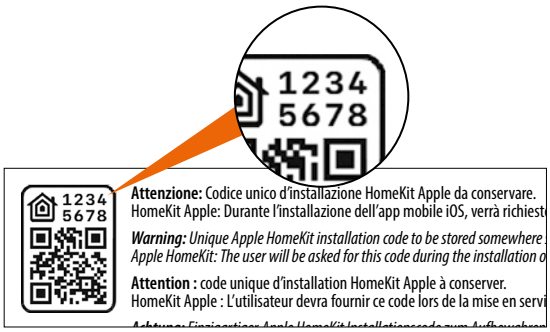
47. Insert a name for the actuator
48. Touch to continue
49. Touch to continue
50. Touch to end

Association of the Smarther AC with the fancoil actuator (Radio Frequency) using a smartphone with iOS operating system

Preliminary operations for the use of a smartphone with iOS operating system

Before the association, prepare the HOMEKIT® CODE to be scanned or note it down in the appropriate space.
You can find the HOMEKIT® CODE:

– on the instruction sheet



HOMEKIT® CODE

.....

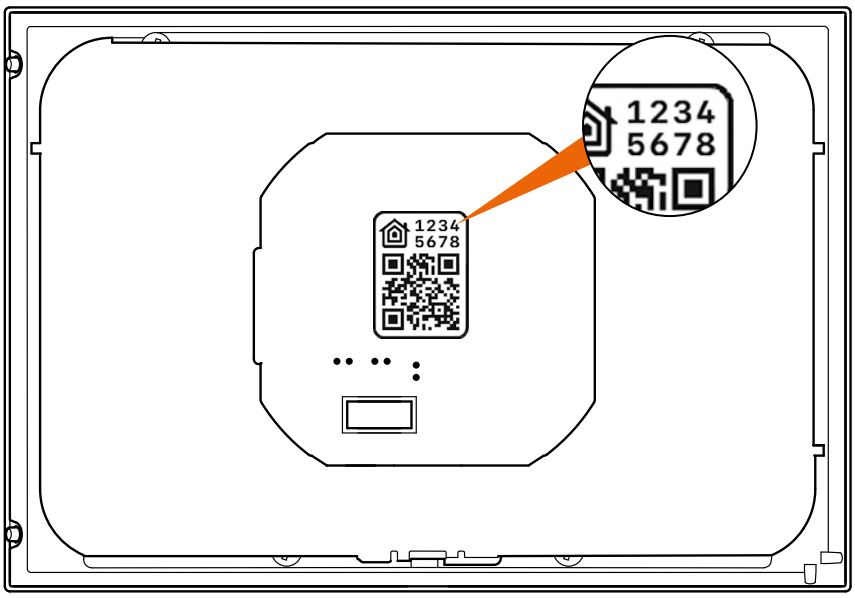
– on the protective film of the Smarther AC



HOMEKIT® CODE

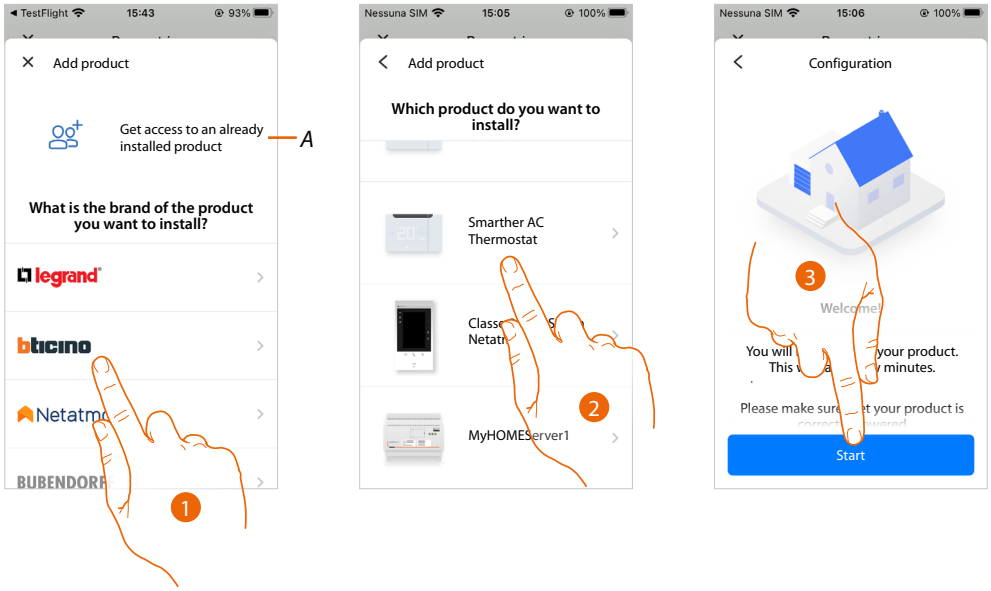
.....

– on the back of the Smarther AC



HOMEKIT® CODE

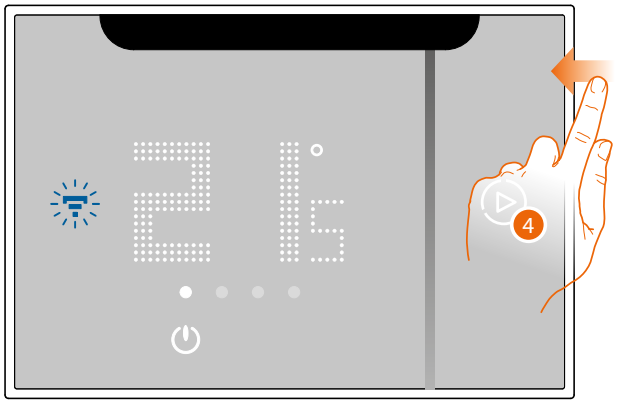
.....



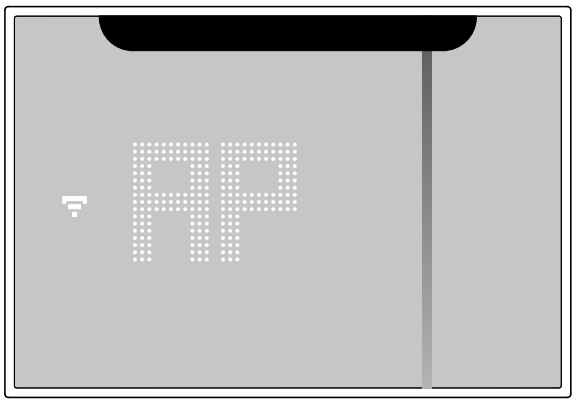
A *Touch if you have been invited to manage the home*

1. Touch to select the brand of the product to install
2. Touch to select the Smarther AC
3. Touch to start the configuration



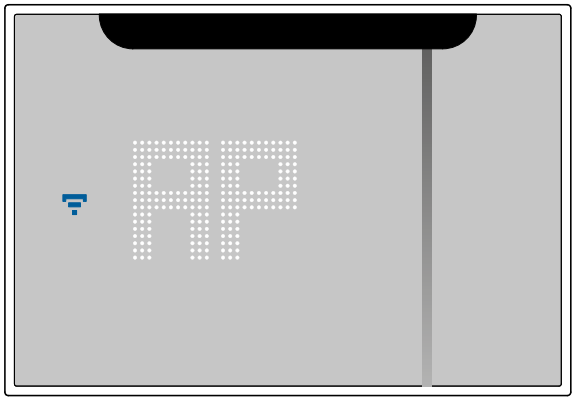


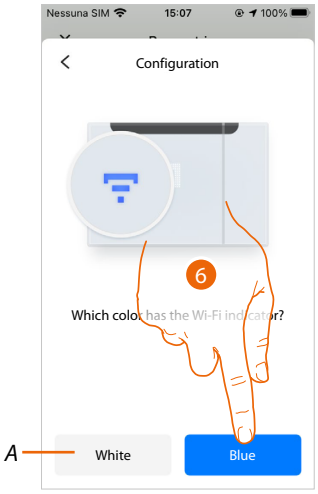
4. Keep the upper Smarther AC pushbutton pressed until "AP" appears





5. Press to continue

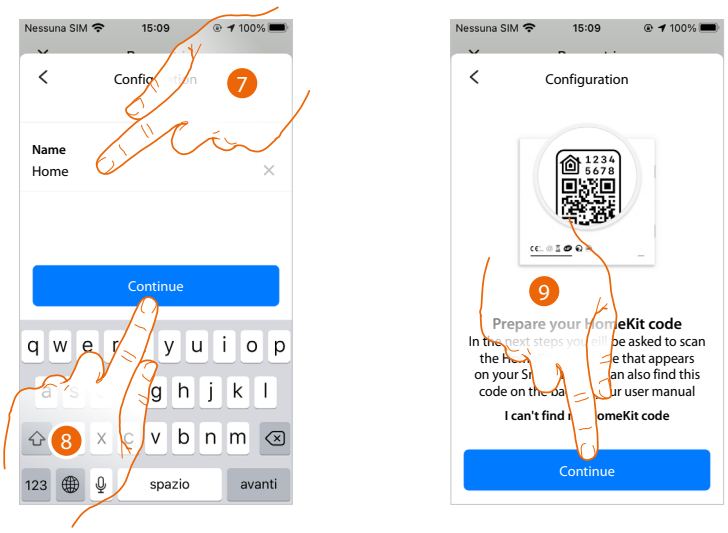




A

6. The Smarther AC shows the blue Wi-Fi symbol. Touch it to continue the configuration

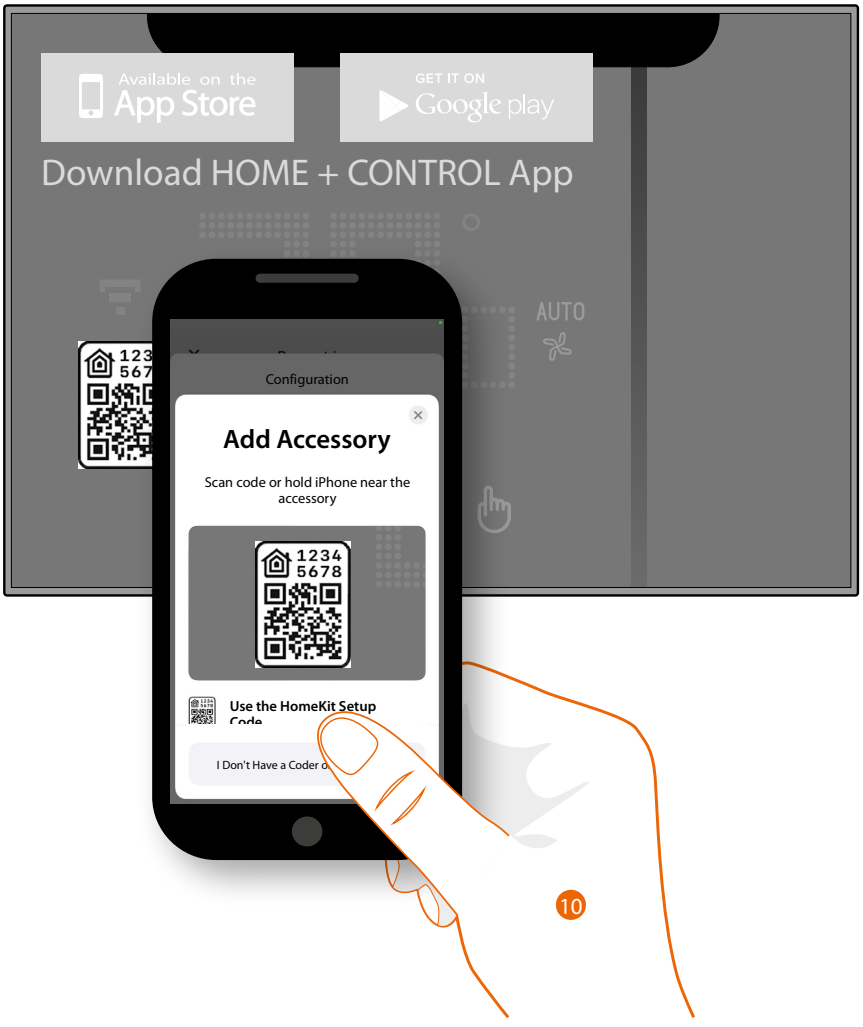
A Indicates that you are trying to complete the association using an incorrect App



7. Enter a name for the home
8. Press to continue

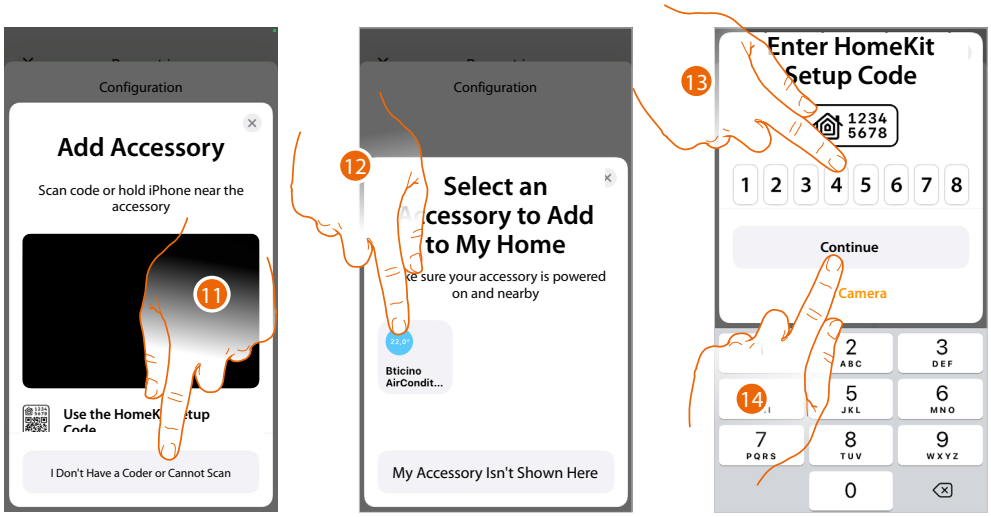
Prepare the HOMEKIT® CODE (see Preliminary operations for the use of a smartphone with iOS operating system)

9. Press to scan the HOMEKIT® CODE

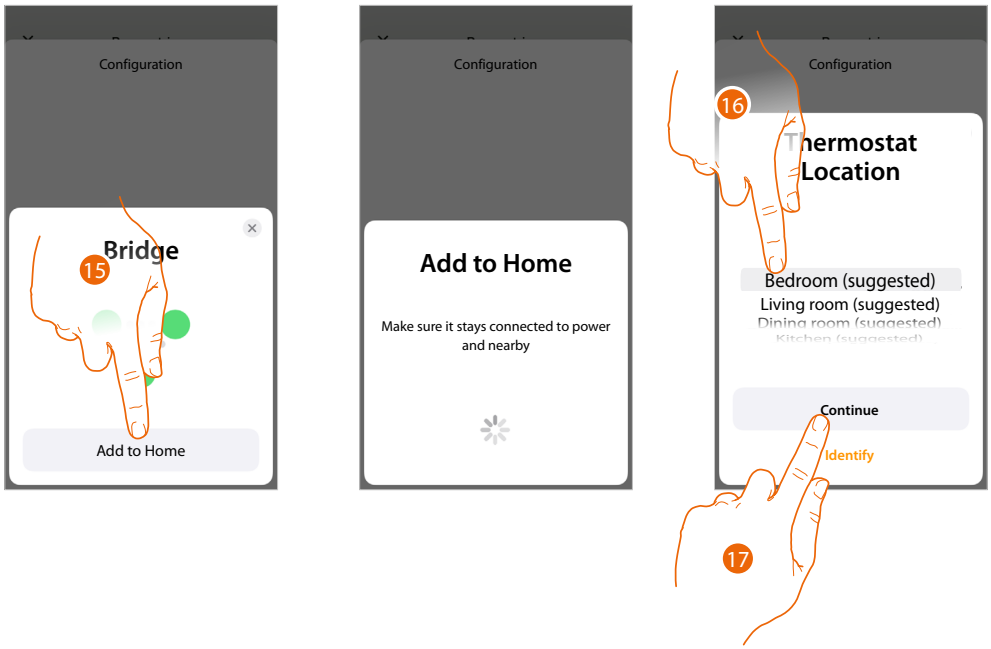


10. Scan the HOMEKIT® CODE

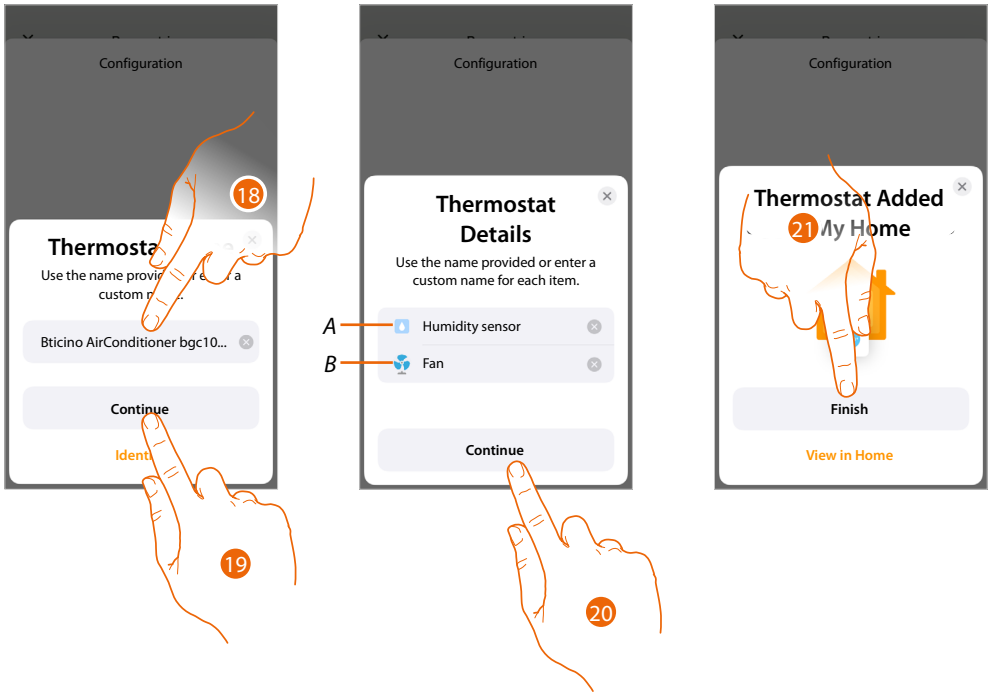
OR



11. If the code is not detected automatically, or if it cannot be scanned, touch to open the manual entry page
12. Touch the Smarther AC detected nearby
13. Manually enter the HOMEKIT® CODE
14. Touch to continue



15. Touch to add the Smarther AC into the home
16. Touch to select the type of room where to install the Smarther AC
17. Touch to confirm

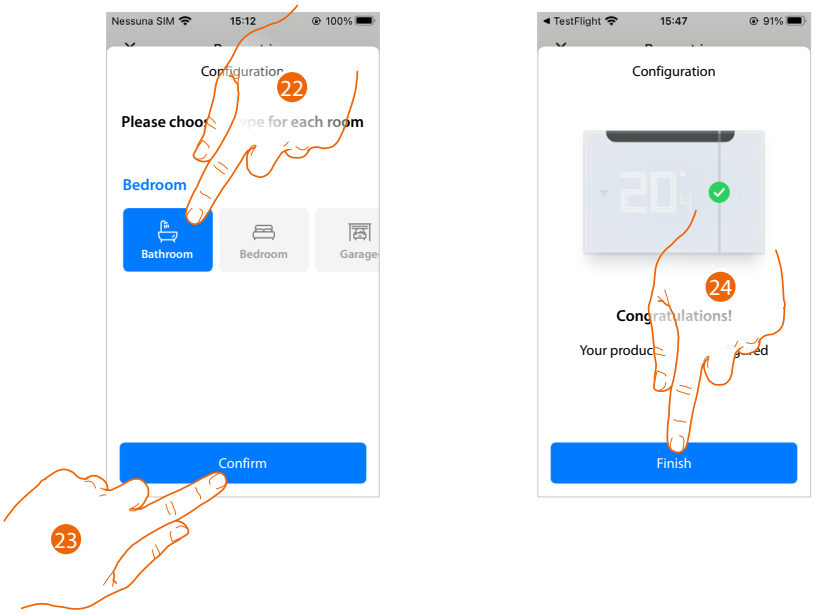


18. If necessary touch to rename the thermostat name
19. Touch to confirm

A *Rename the Smarther AC for the humidity detection function*

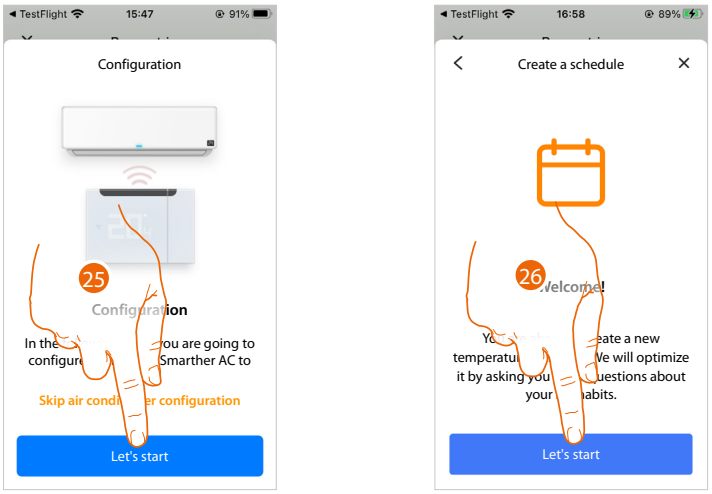
B *Rename the Smarther AC for the cooling function*

20. Touch to confirm
21. Touch to add the Smarther AC into the home



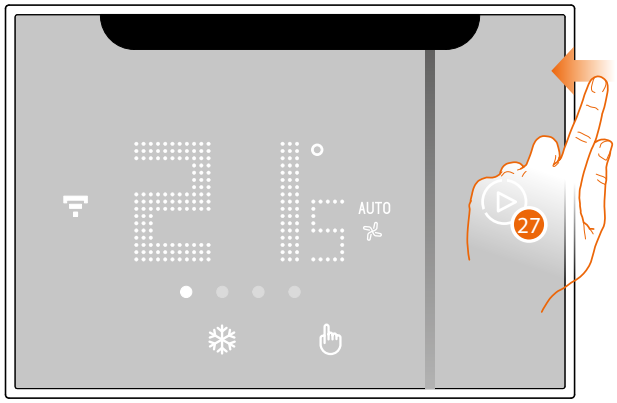
22. Touch to select the type of room where to install the Smarther AC
23. Touch to confirm
24. The Smarther AC is configured correctly; touch to end the configuration of the Smarther AC

It is now possible to start the association of the thermostat with the IR air conditioning unit

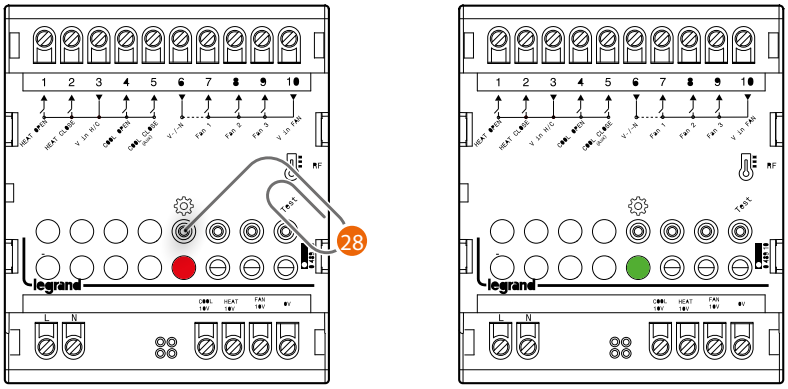


25. Touch to start the association of the thermostat with the IR air conditioning unit
26. Before proceeding with the association of the device, it will be necessary to create a radio frequency network between the actuators and the device itself.

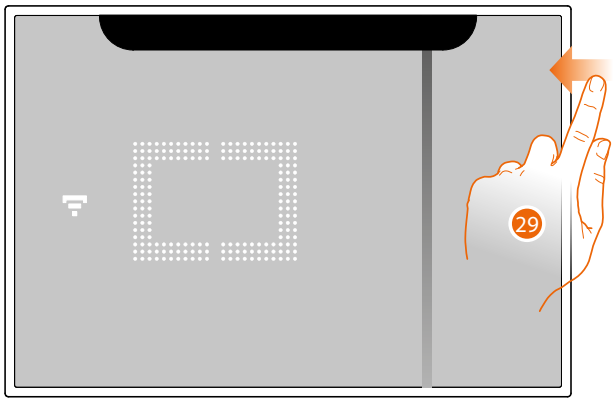
Creation of a radio frequency network



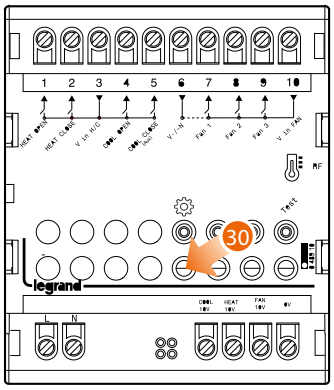
27. Keep the upper Smarther AC pushbutton pressed until the symbol "" appears



28. Briefly press the "Program" button on the actuator and wait for the green LED to come on. Repeat the same procedure for all the actuators (maximum 5 fancoil actuators, 1 Smarther AC in each room)

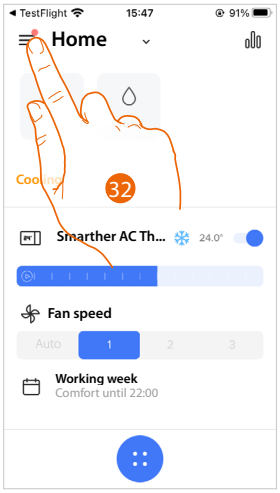


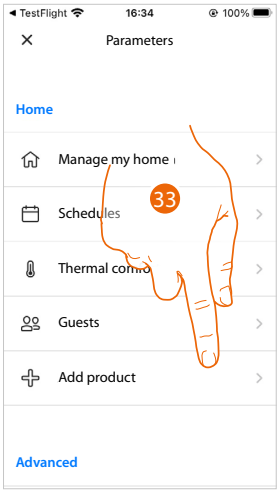
29. The network LED comes on; press and hold the top button of the Smarther AC for a few seconds and release it to finish.



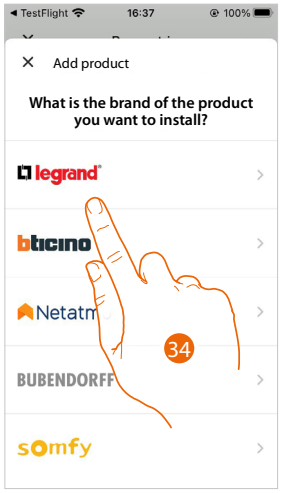
30. The LED on the actuator turns off

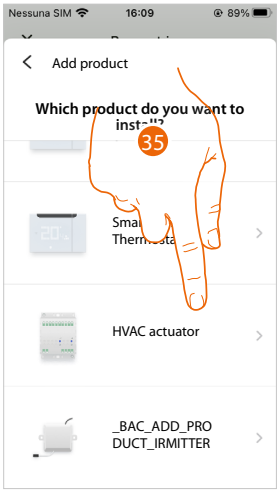


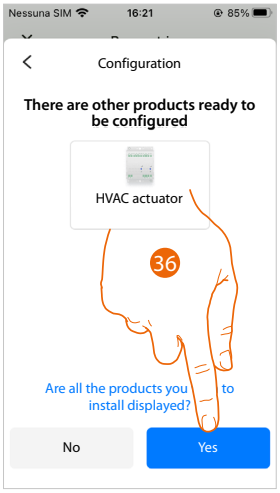




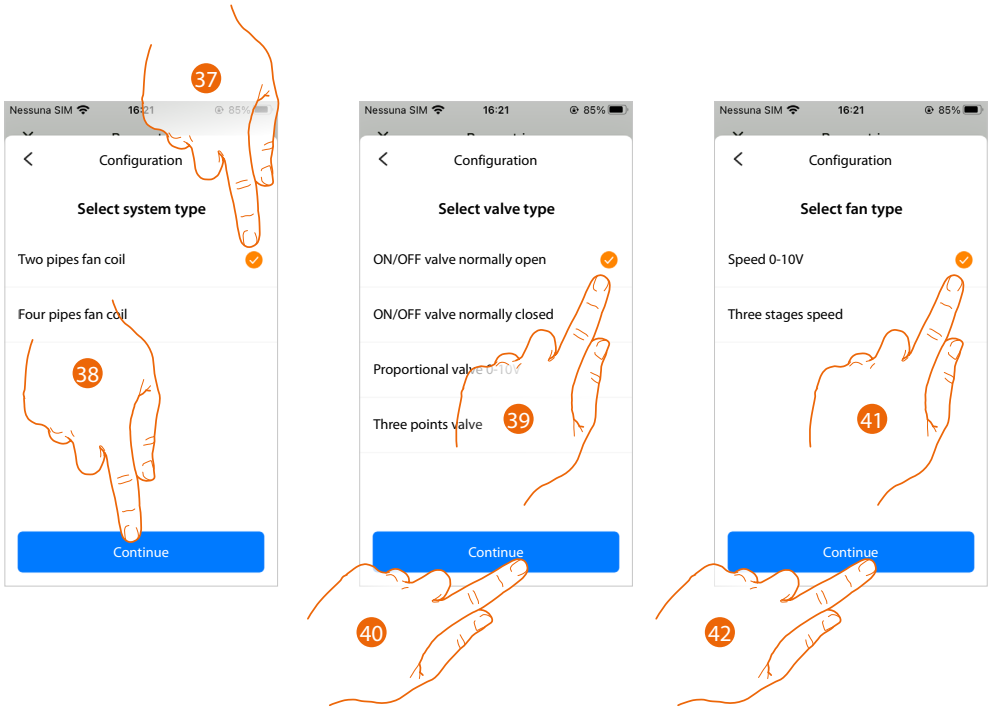
31. You can now continue with the tutorial and create a temperature control program (see Create a program using the guided procedure).
32. After completion, the home page will appear: touch to open the settings menu
33. Touch to add a product into the home







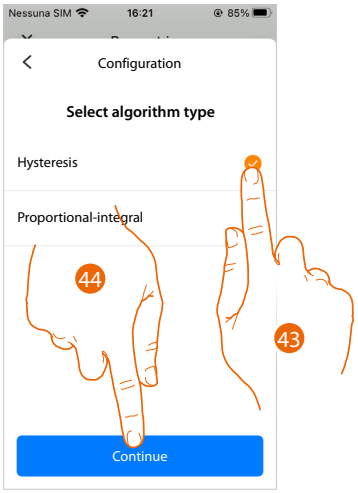
34. Touch to select the brand of the product to install
35. Touch to select HVAC actuator
36. Touch if all the actuators are visible



37. Select the type of system
38. Touch to continue
39. Select the type of valve

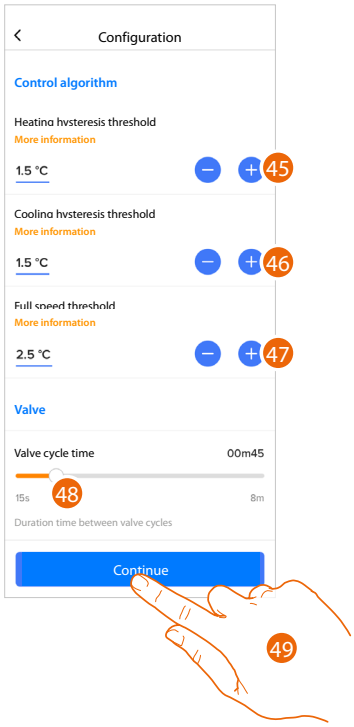
***NOTE**: If you select the "three point valve" type, you are also asked to define the "valve opening duration" parameter.*

40. Touch to continue
41. Select the type of fan
42. Touch to continue



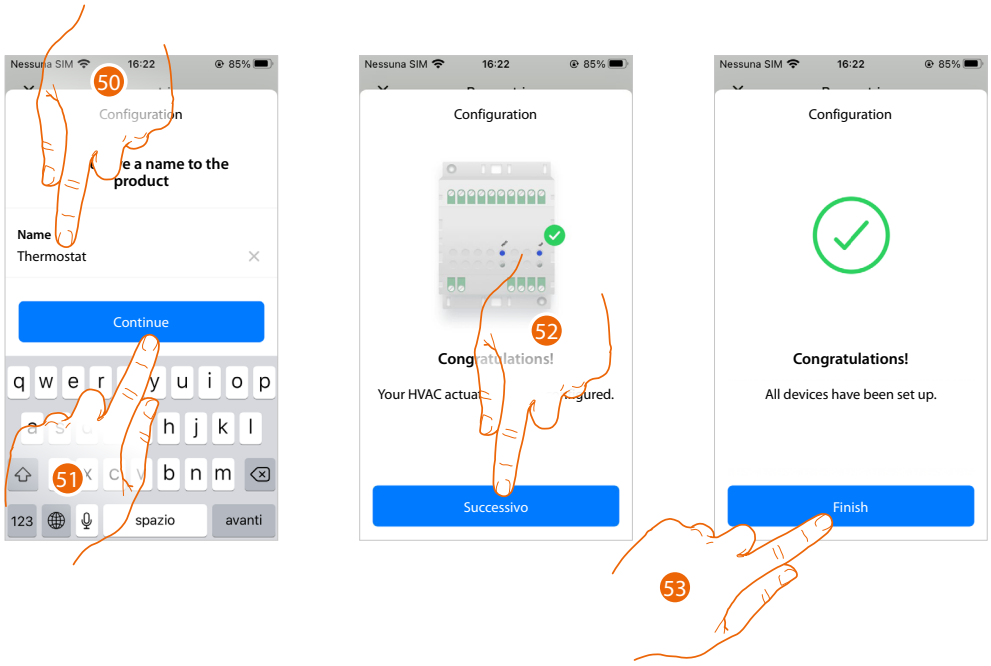
43. Select the type of algorithm among:
Hysteresis algorithm: *this algorithm is based on the hysteresis, la the capacity of a structure to change its temperature more or less slowly depending on the type of system and then according to the speed that the installed devices use to heat/cool*
If you select this algorithm, you must define its thresholds (see next screen).
Integral Proportional Algorithm (IP): *this control mode continuously adapts the system's operating time based on the difference between the room temperature and the programmed temperature.*
For example, the system can switch off when the room temperature is below the programmed temperature because the thermostat estimates that the temperature will be reached without additional energy input due to the inertia.
On the contrary, the system can switch on when the programmed temperature has already been reached in order to anticipate a possible temperature drop.
The Integral Proportional adjustment allows the set temperature to be maintained with precision, without overheating or excessive consumption.
It improves comfort and offers up to 10% energy savings.
This algorithm requires no further setup.

44. Touch to continue



***NOTE**: Questa configurazione è necessaria solo se al punto precedente hai selezionato come "Isteresi" come algoritmo*

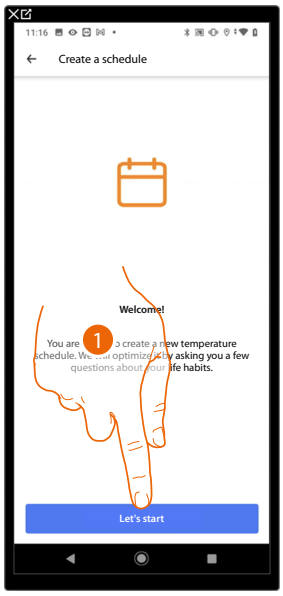
45. Touch to set the hysteresis value for heating
    Hysteresis values:
    ***0,1°C:** suitable for high hysteresis (slow) heating and cooling systems.*
    ***5°C:** setting suitable for low hysteresis (fast) heating and cooling systems*
46. Touch to set the hysteresis value for cooling
47. Touch to set the threshold value at which the fancoil activates at maximum speed. Example: Set temperature = 24C°, full speed threshold =1.5C°, measured temperature 25.5C°; the fancoil switches on at maximum speed to reach the set temperature as quickly as possible.
48. Scroll to select the minimum time during which the thermostat will activate the system. This function is useful to avoid pointless system activations.
    For example, if the controlled thermostat valve has an opening time of 2 minutes, it is recommended that this parameter is set to 2 minutes
49. Touch to continue

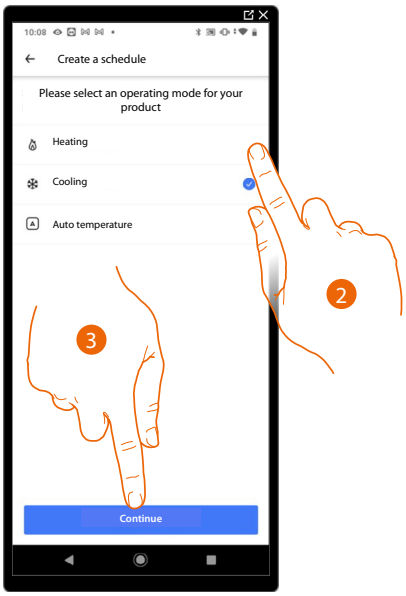


50. Insert a name for the actuator
51. Touch to continue
52. Touch to continue
53. Touch to end

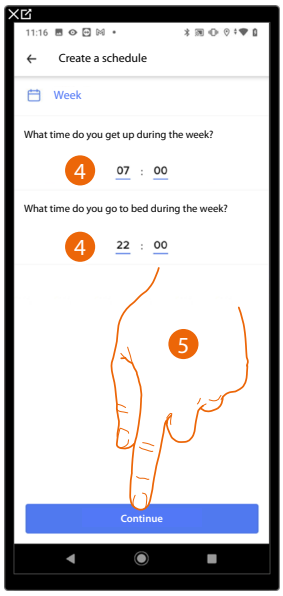
Create a program using the guided procedure

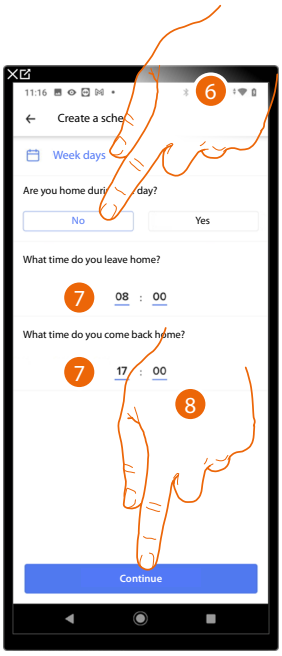
At this point, through questions you have to answer, the procedure proposes to create a program to adjust the temperature.
It is possible to learn more about the program operation in the Schedules chapter.



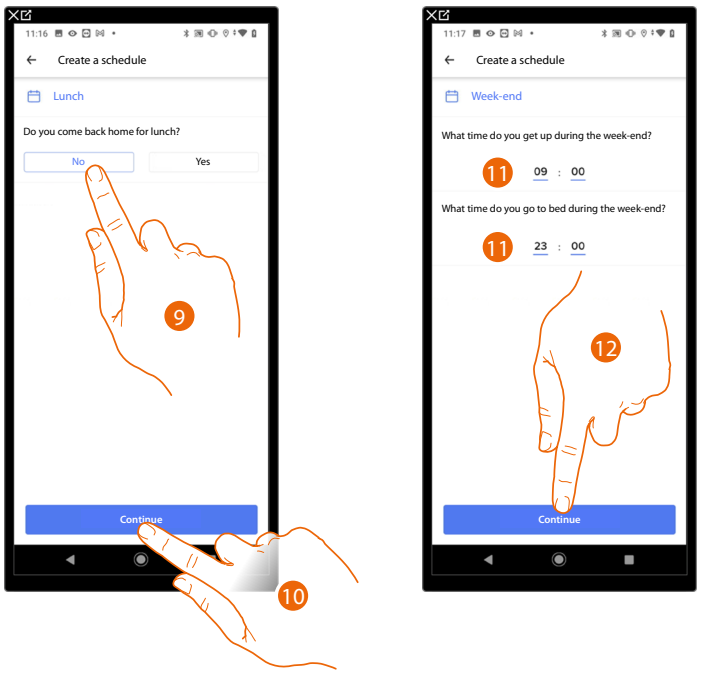


1. Touch to start the guided procedure
2. Select if the program is for a system in heating, cooling or automatic mode
3. Touch to continue

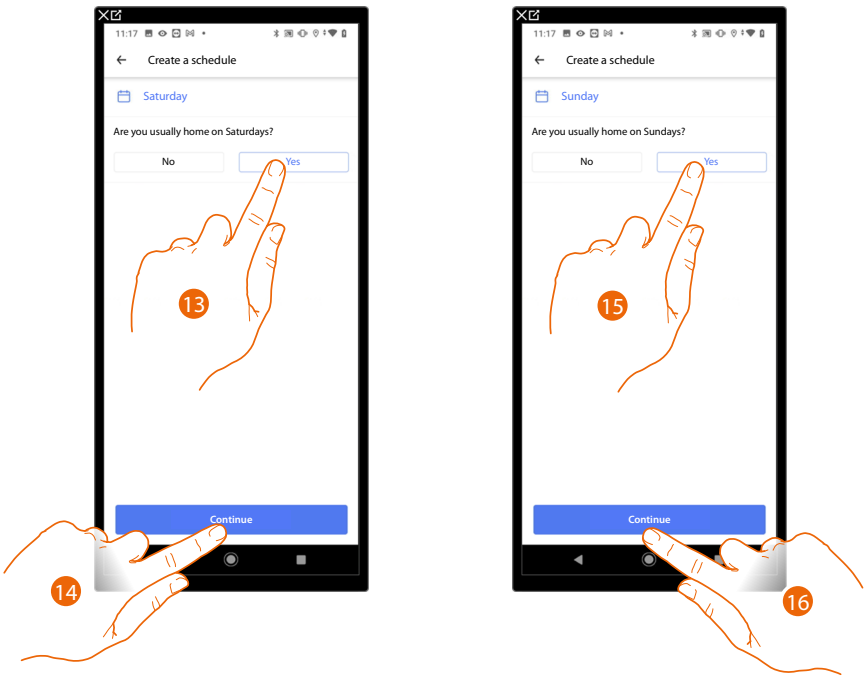




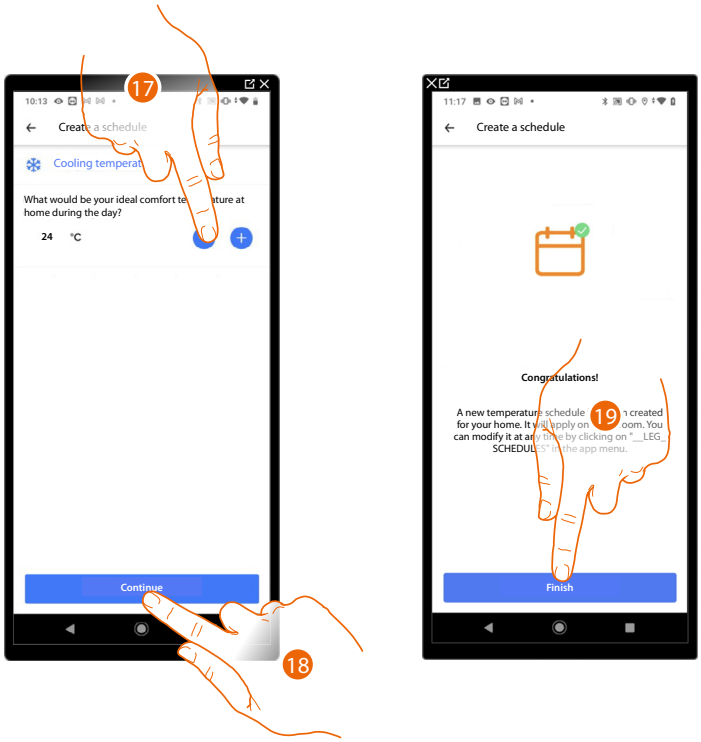
4. Set the time interval time limits (when you get up and when you go to bed during the week)
5. Touch to continue.
6. Select if during the day you are at home or not.
7. Set the times which delimit the time intervals
8. Touch to continue.



9. Select if during the week you normally come back home for lunch or not.
10. Touch to confirm
11. Set the time interval time limits (when you get up and when you go to bed during the weekend)
12. Touch to continue.



13. Select if you are normally home on Saturday or not.
14. Touch to continue.
15. Select if you are normally home on Sunday or not.
16. Touch to continue.



17. Select a temperature that you consider comfortable when you are at home during the day.
18. Touch to continue.
19. Touch to end, the Home Page appears

Access your home through invitation

It is possible to access the home created by your installer, or one of your family members, following the steps shown below.

***NOTE**: All the users have the same control, invitation and modification authorities.*

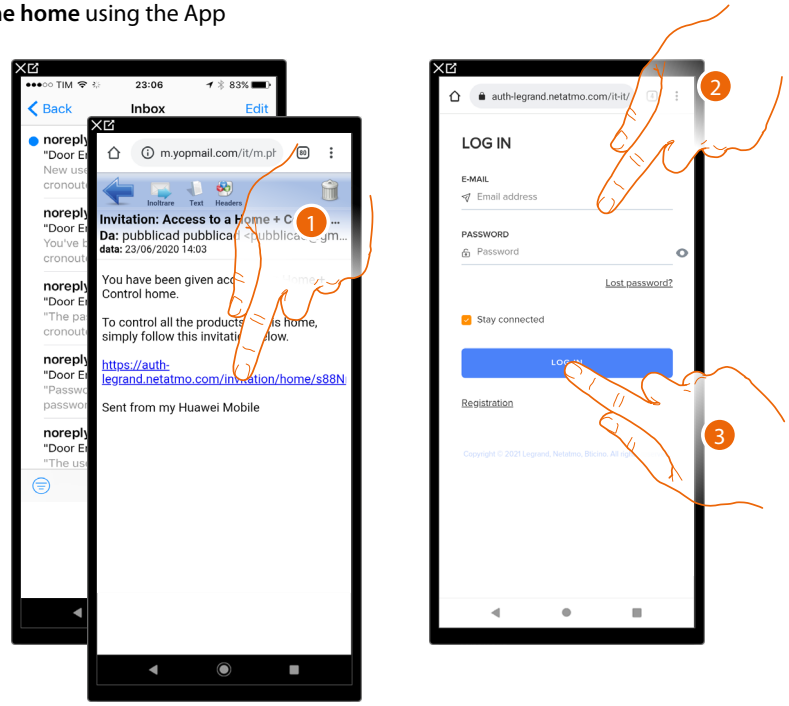
– Download the App from the Stores

– Register and create an account

– **Accept the invitation** sent by email by your installer or family member

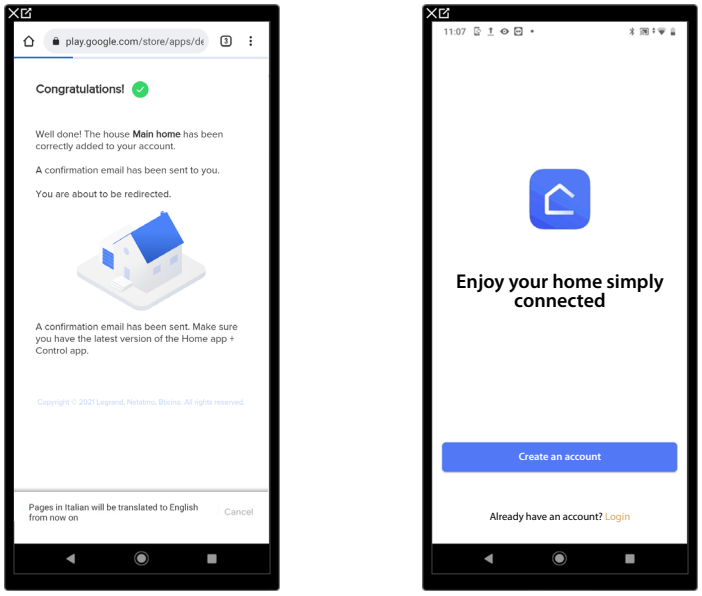
– **Access the App** with the credentials just created

– **Control the home** using the App



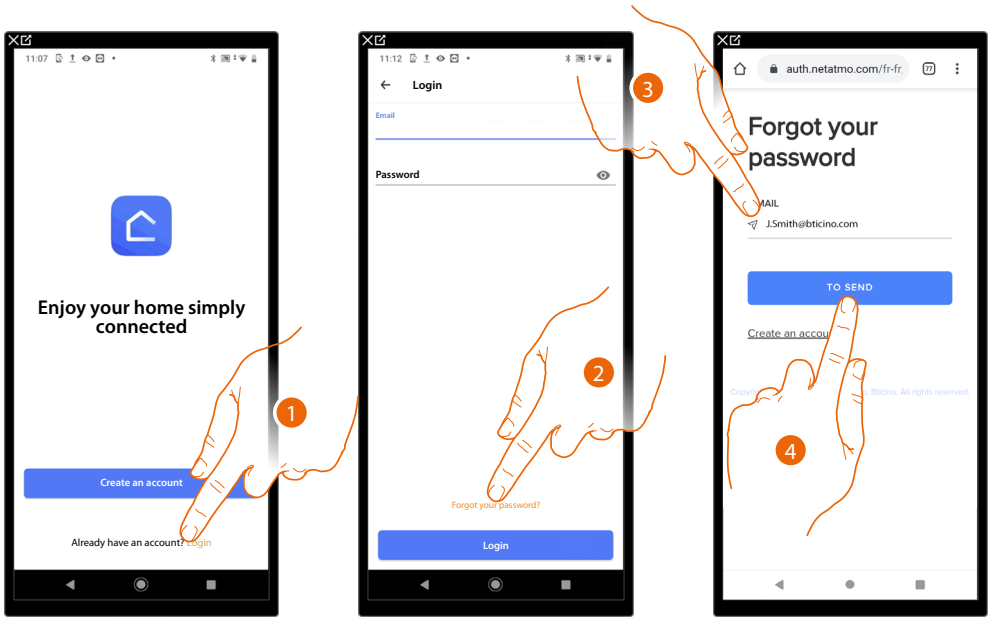
1. Touch the link in the email received from the system following an invitation
2. Enter your registration details
3. Touch to access

A message and an email will confirm that the invitation has been accepted.
Open the App and enter the authentication data



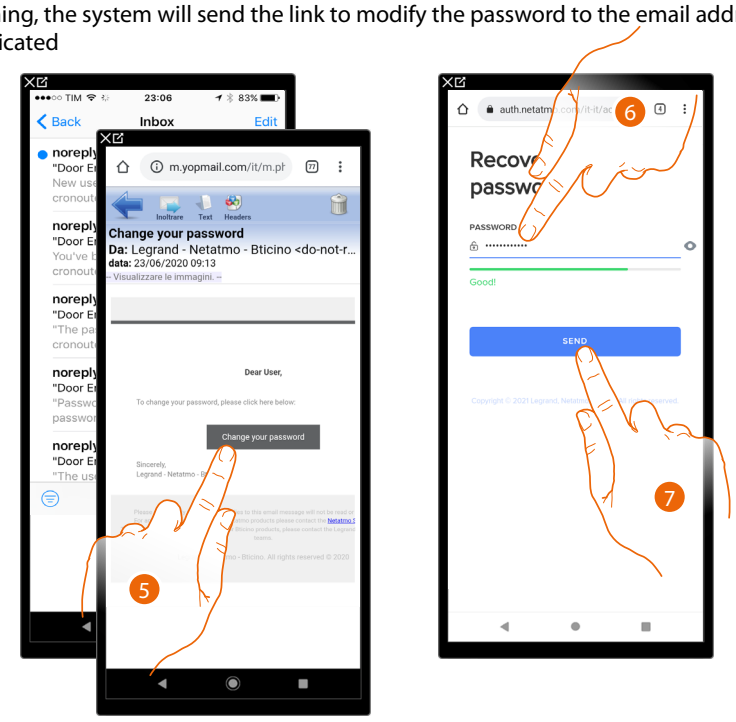
Forgotten password

When you have forgotten the password:



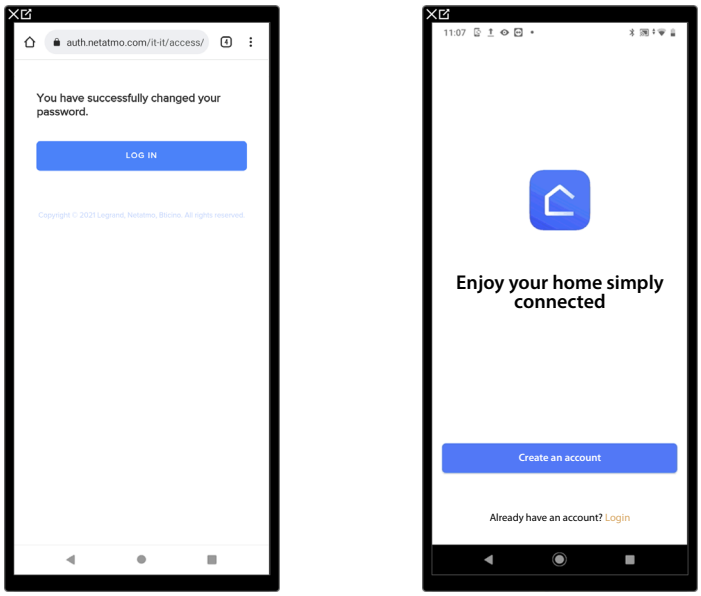
1. Touch to open the login page
2. Touch to activate the password recovery procedure
3. Enter the email address, to which the system will send the link for changing the password
4. Touch to send a link

After confirming, the system will send the link to modify the password to the email address that you have indicated



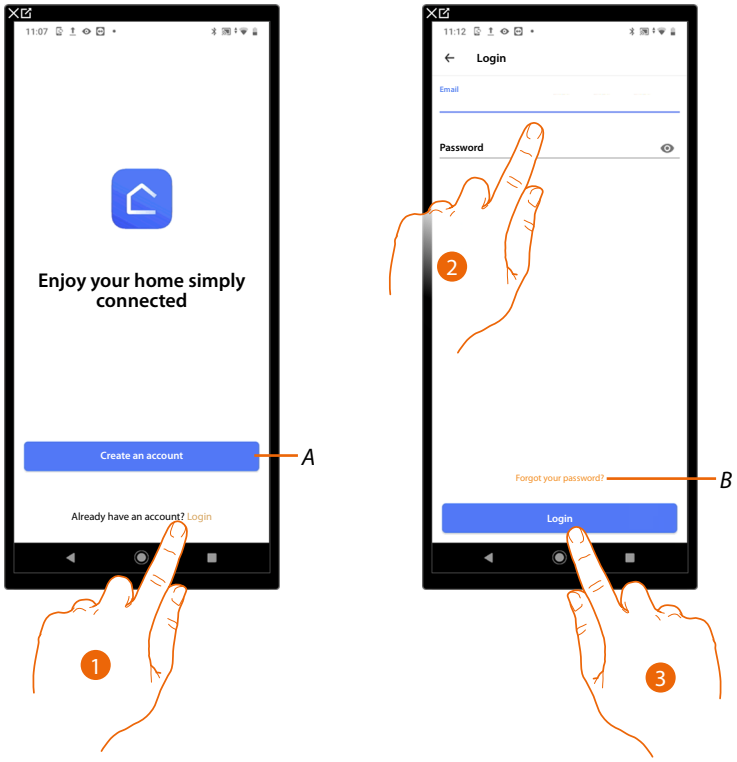
5. Touch to edit the password
6. Enter the new password, which must meet the following requirements:
   – at least 8 characters;
   – at least one lower case letter (e.g. a);
   – at least one upper case letter (e.g. A);
   – at least one number (e.g. 1);
   – at least one special character (e.g. $);
7. Touch to confirm

A message will confirm that the password has been changed successfully; open the App to enter the authentication data



Authentication

After registering with the portal, you can authenticate by entering email and password.



A *Touch to create a new account*

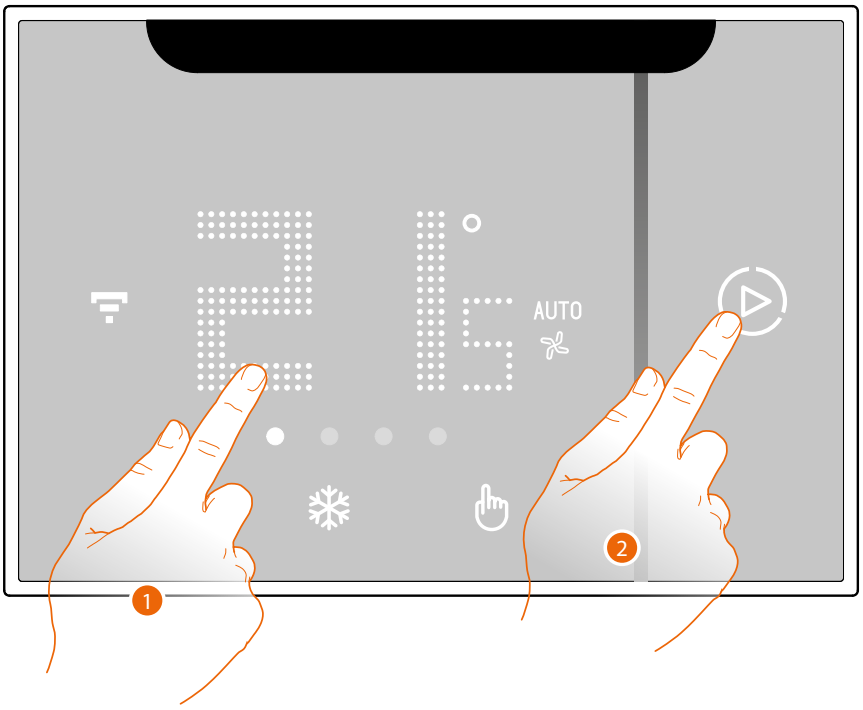
1. Touch to open the login page
2. Enter email and password
3. Touch to access

B *Touch to start the password recovery procedure*

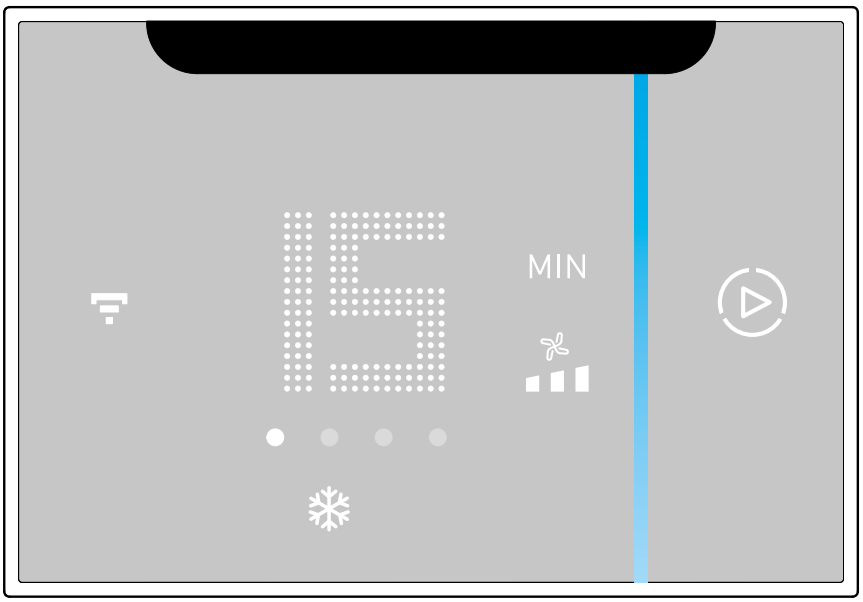
Functions using the device

Boost functions

The Boost forces the switching on of the system for a limited time (15, 30 or 45 minutes) independent of the measured and programmed temperature.
Once the time set has elapsed, Smarther AC will resume operation according to the previous program.

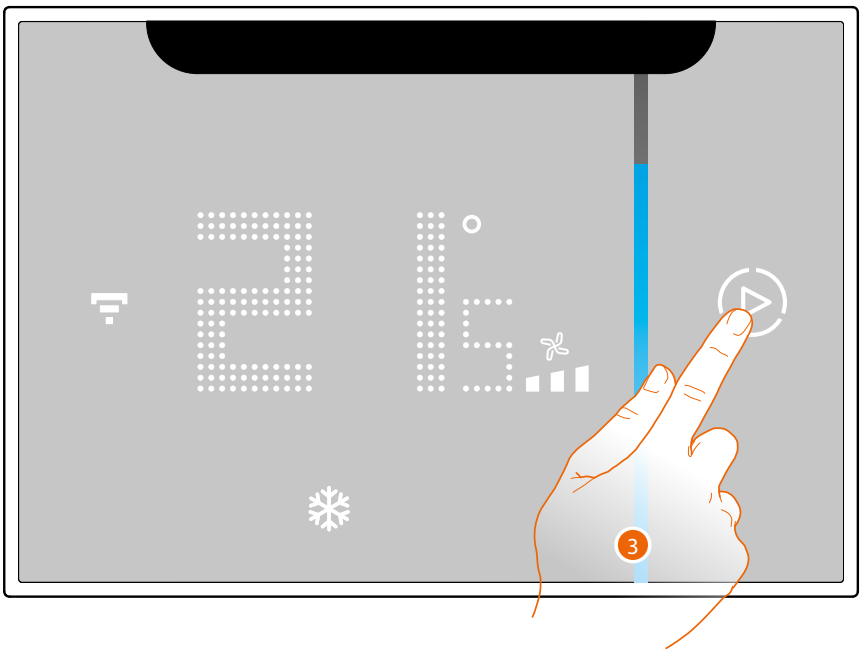


1. Touch the display, the symbol ▷ comes on
2. Touch the symbol once or more to set the function duration; the display shows the set time, at the same time the LED lights up.

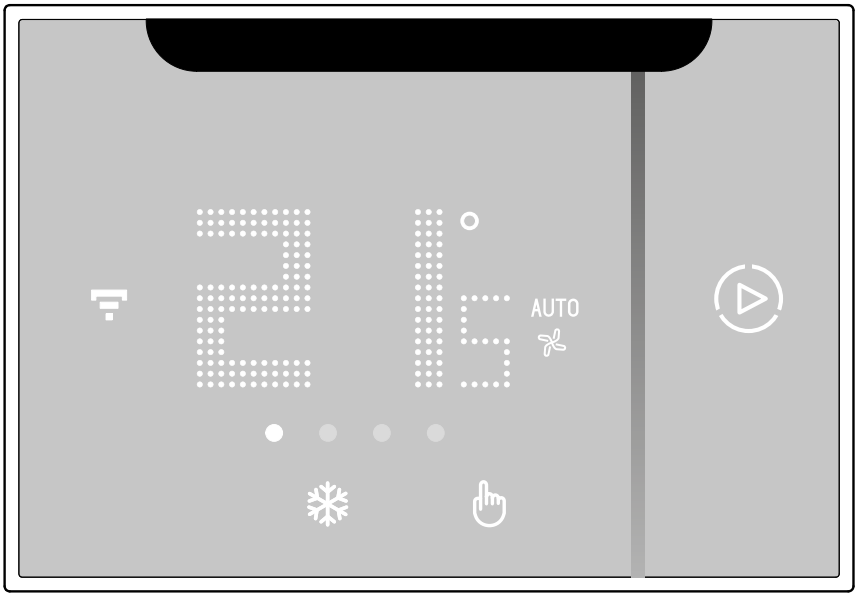


After setting the desired duration (15, 30 or 45 minutes) wait until the digits stop flashing after which the Boost mode will be activated.

The display shows the measured temperature; the LED gradually switches off while the set time passes by.

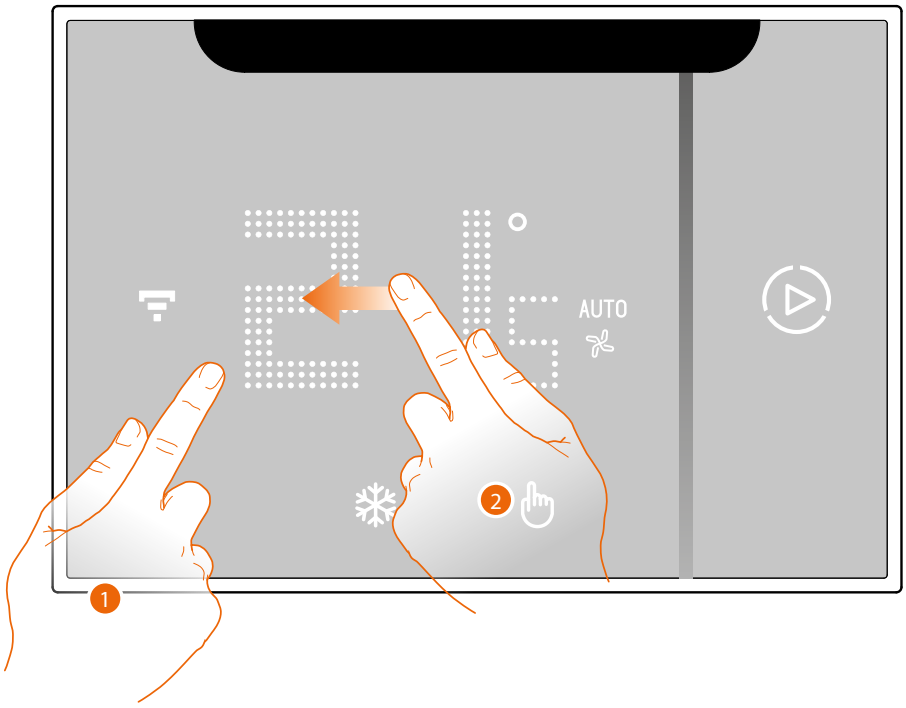


3. To end the setting early touch the ⏵; symbol; Smarther AC will continue operation according to the previous programming.

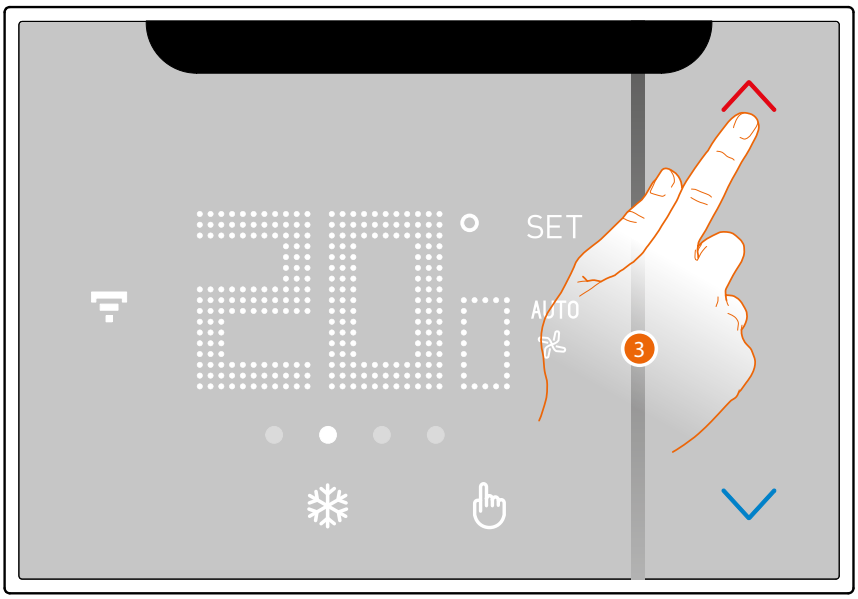


Set the temperature

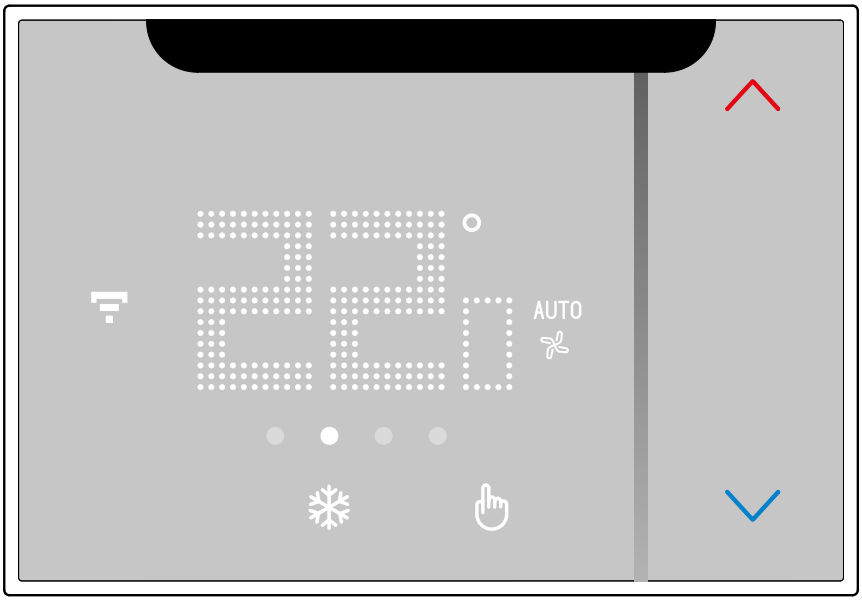
The temperature level that can be locally set refers only to the manual mode operation.



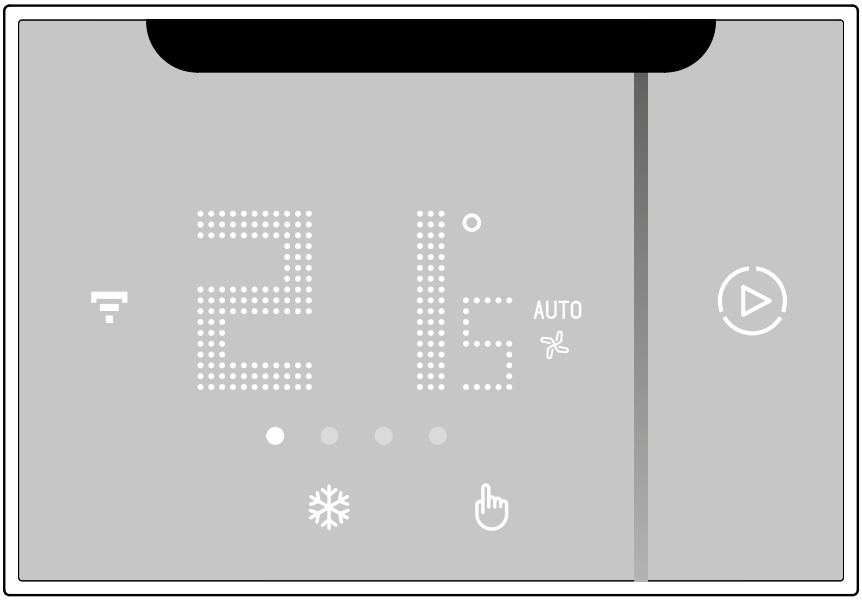
1. Touch the display
2. Scroll on the display to go to the next page



3. The current setting is displayed, modify the setting with the keys

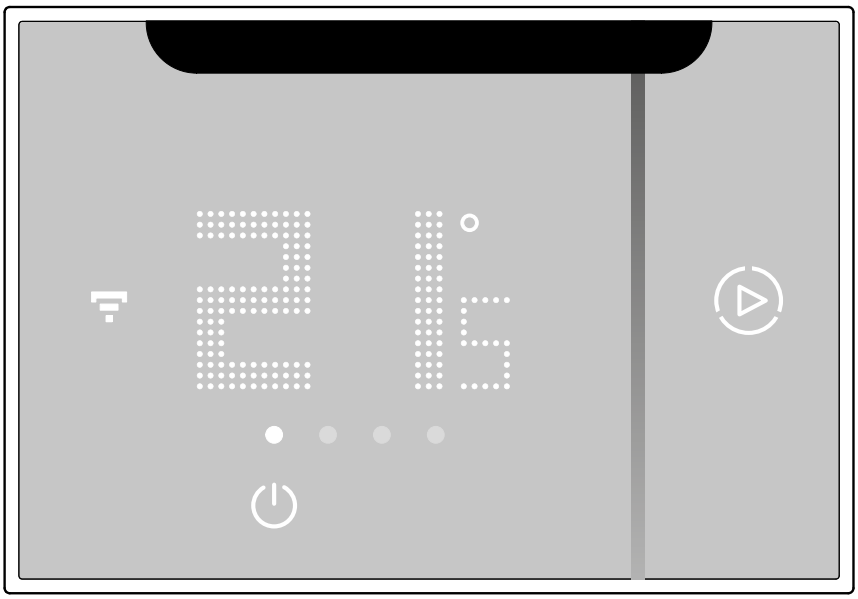


Once the setting is complete wait for a few seconds.
The display will show the measured temperature.



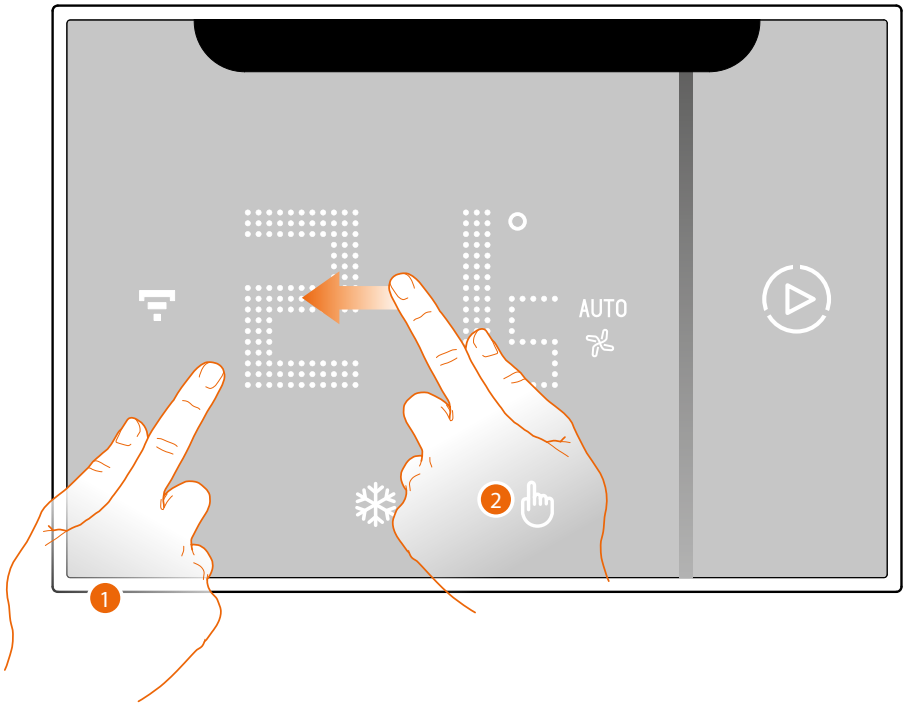
***NOTE**: It is possible to switch off the system by adjusting the temperature:*
- *< 16°C (with heating programme active)*
- *> 30°C (with cooling programme active)*
- *< 16°C or > 30°C (with automatic programme active);*

by sending an OFF command from the App.

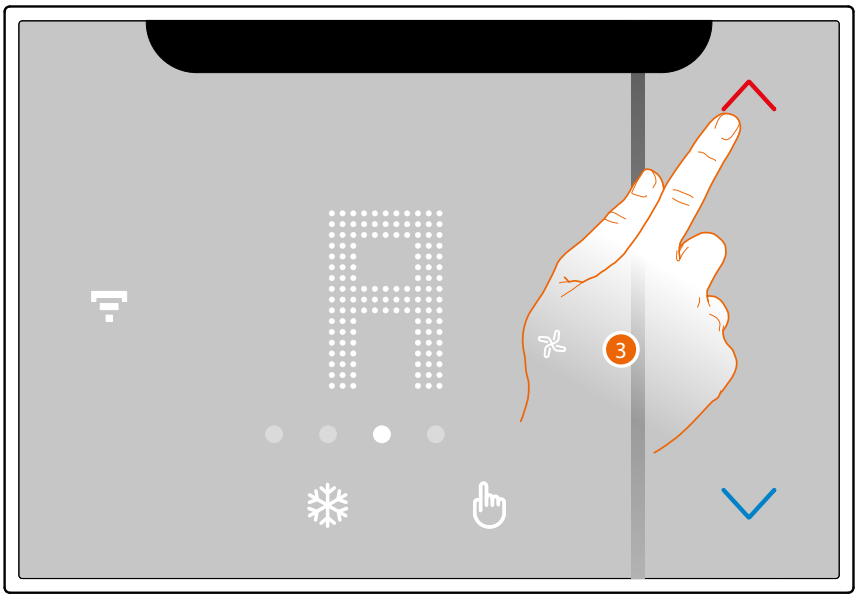


Set the fan speed

Depending on the device on your system, in this page you can adjust the speed of the fan of an IR air conditioning unit or fancoil.

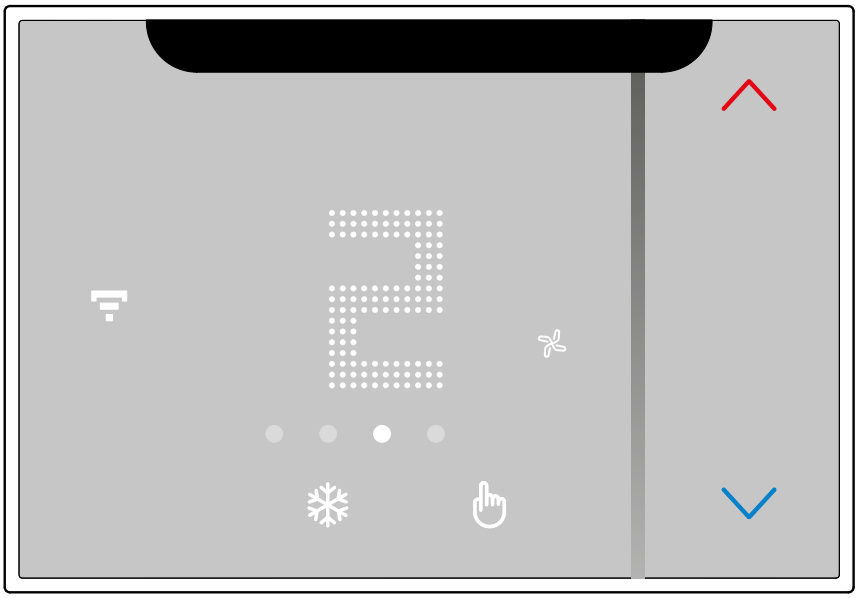


1. Touch the display
2. Scroll 2 times on the display to go to the dedicated page

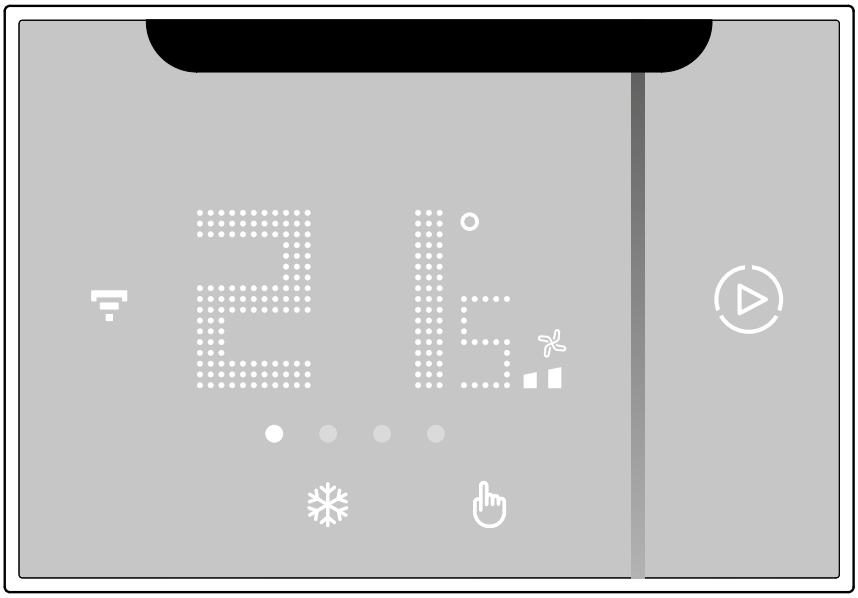


3. The current setting is displayed, change the setting with the keys

You can select the speed value among 3 levels (1,2,3), or set the speed to automatic. (*A*).

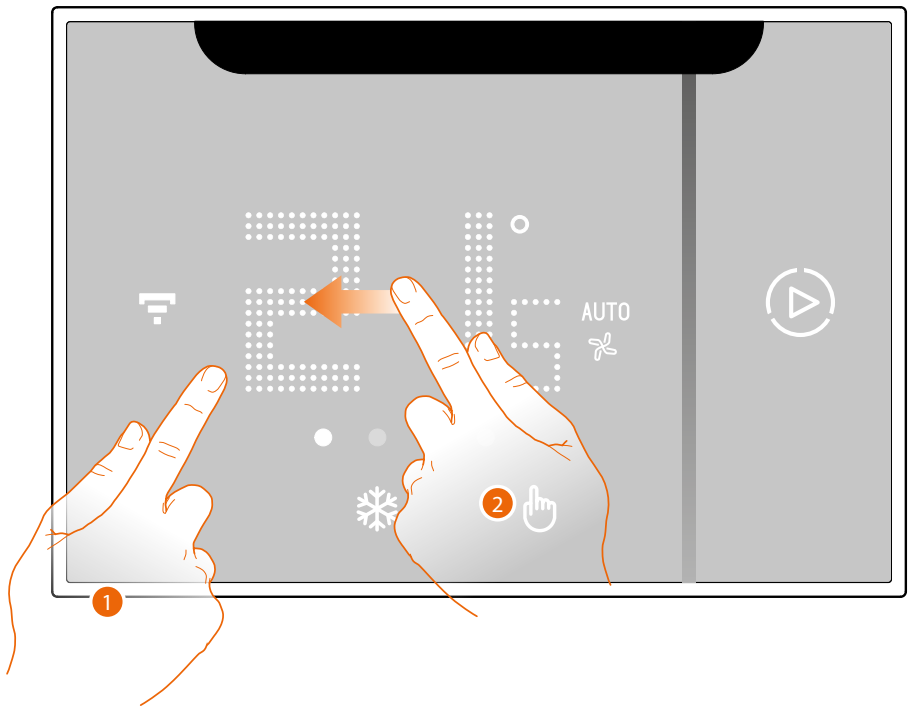


Once the setting is complete wait for a few seconds. The display will show the measured temperature.



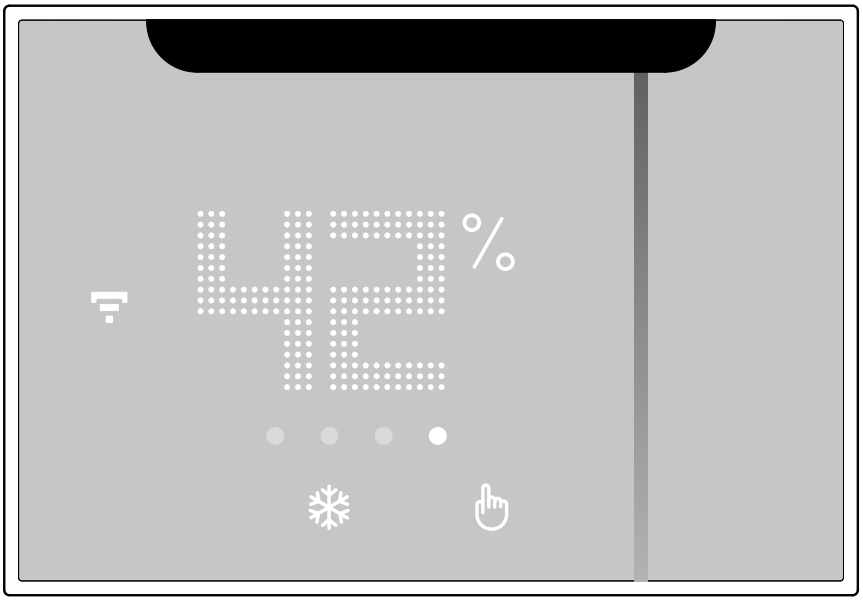
Room humidity display

Smarther AC contains a sensor that detects the humidity percentage in the room; follow the procedure described below to display the measured value.



1. Touch the display
2. Scroll 3 times on the display to go to the dedicated page

The measured humidity percentage is visible for a few seconds, then the measured temperature display will appear again.



Functions using the App

Home Page

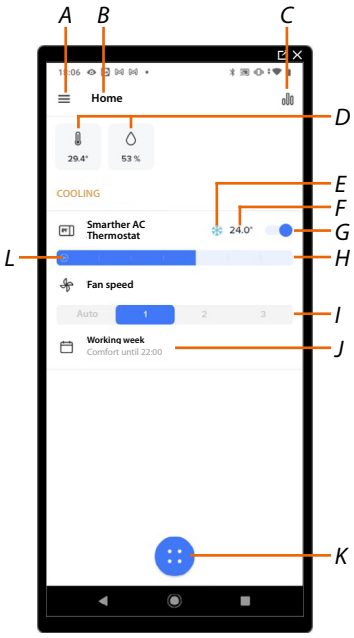
After logging in, from this page you can manage the temperature inside your home, using the Smarther AC.
The functions available depend on the devices associated with the system (IR air conditioning unit or fancoil actuator).
Moreover, the home page appears different if there is more than one Smarther AC in the system.

***NOTE**: It is not possible to associate an IR air conditioning unit and a fancoil actuator at the same time.*

***NOTE**: It is not possible to manage more than one Smarther AC in the same home.*

The commands available to regulate the temperature can be addressed to a single device or to all the devices in the home.

Home page with a Smarther AC



A Settings pull-down menu

B Home name

C Open the "Graphic" section, where it is possible to view the system temperature and humidity charts.

D Measured temperature and measured humidity percentage

E Display the heating/cooling/auto active mode

F Set temperature

G Set the OFF function

H Set the temperature manually

I Set the fan speed (only with IR air conditioning unit or fancoil actuator associated)

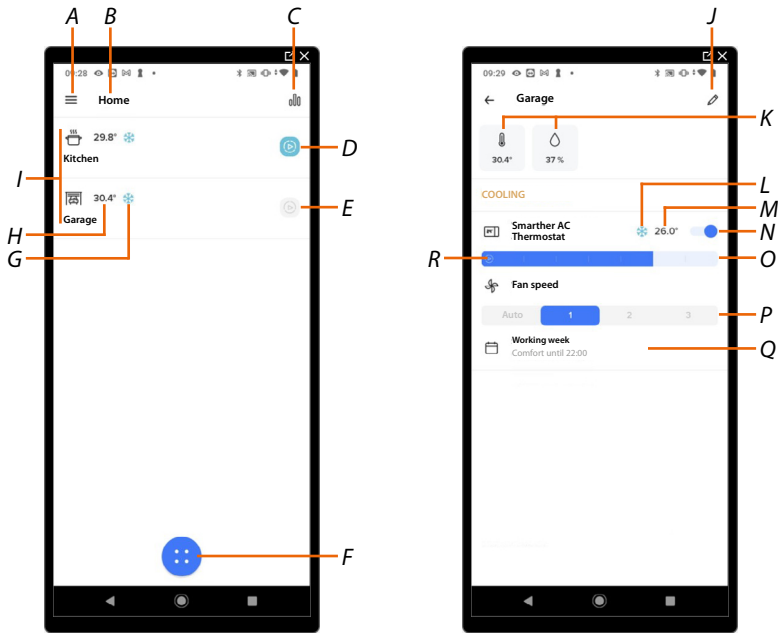
J Display the active Smarther AC functions

K Open the panel with the Controls for all the devices in the home

***NOTE**: If there is only one device in the home, the panel displays the commands available for that device.*

L Set the "Boost" function

Home page with several Smarther AC



A *Settings pull-down menu*

B *Home name*

C *Open the "Graphic" section, where it is possible to view the system temperature and humidity charts.*

D. *Active Boost (15 min)*

E. *Disabled Boost , touch to activate*

F *Open the panel with the Controls for all the devices in the home*

G *Display the active heating/cooling/auto mode*

H *Measured temperature*

I *Rooms with a Smarther AC*

J *Open the Manage my home section*

K. *Measured temperature and measured humidity percentage*

L. *Display the heating/cooling/auto active mode*

M *Set temperature*

N *Set the OFF function*

O *Set the temperature manually*

P *Set the fan speed (only with IR air conditioning unit or fancoil actuator associated)*

Q *Display of Smarther AC functions active*

R *Set the "Boost" function*

	Phone Vulnerability	Opens your Smartphone settings, suggesting (if not already done) the setting of a passcode to prevent others from accessing your Apps and passwords
	Manage my home	It opens a section where it is possible to change some settings regarding the individual rooms and devices, or the settings of the whole home. It is also possible to set some Smarther AC parameters
	Schedules	It opens the section, where it is possible to create and manage the programs
	Thermal comfort	It is possible to set several parameters to improve the temperature comfort of the home
	Manage my guests	Open the section where you can display those users which can interact with your home, invite new ones or if necessary delete them.
	Add a product to this home	It opens the section where it is possible to add devices to your home.
	Install a new home	It opens the section where it is possible to install a new home associated with your account (e.g. mountain home)
	Quick selections	It opens the section where it is possible to add to your smartphone Home page some preset quick selections to control your home
	Theme	It opens the section where it is possible to choose the theme of the graphic interface of the App
	Help	It opens the section where it is possible to display FAQ (and their answers) regarding the use of the Home +Control App.
	My account	It opens the section, where it is possible to display and manage your account
	Logout	Logout from the Home+Control App

Control a single device

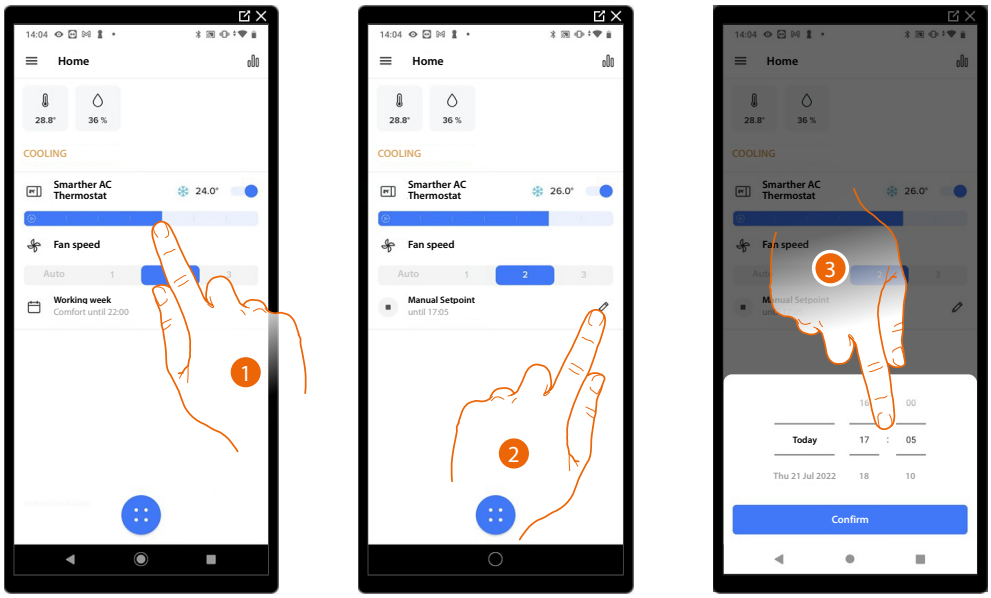
In this mode it is possible to:

- set a temperature up to a certain time
- activate the boost function
- adjust the fan speed
- set the OFF status

The settings will only affect the device inside the room

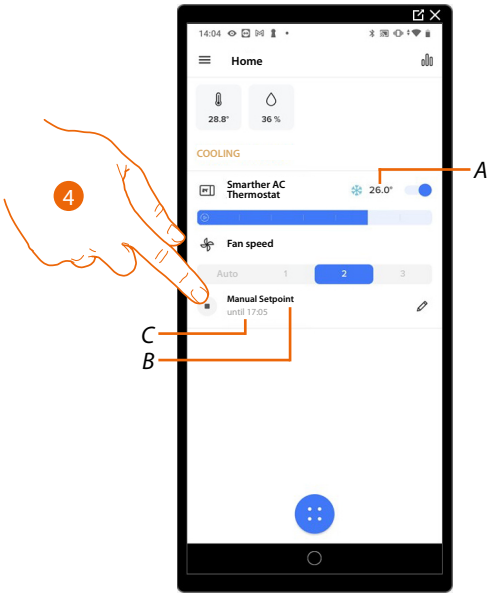
Set the temperature

This function allows to set a temperature.
A text indication will indicate the remaining time.
You can also modify the setting before the end via the function.



1. Touch and drag to set the temperature
2. Touch to set the time to which it will be maintained
3. Set the time to which the selected temperature will be maintained

The temperature is now set



A *Set temperature*

B *Set mode indication*

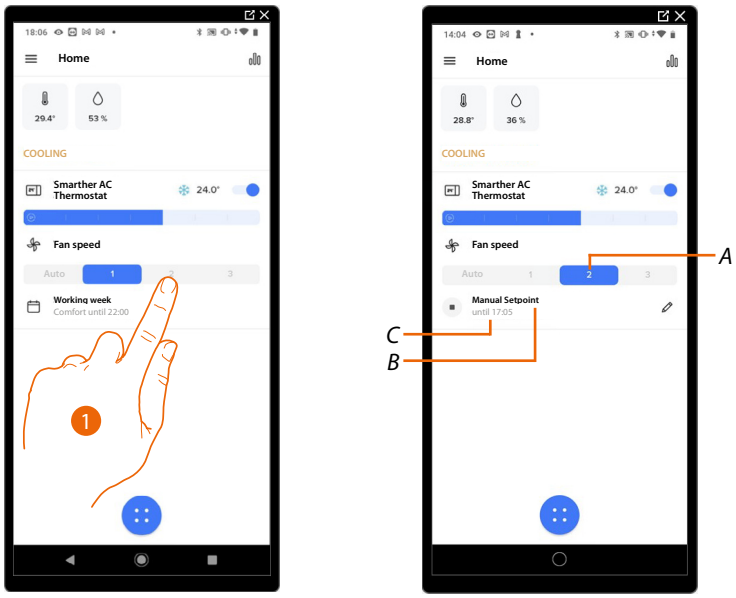
C *Setting end time*

4. Touch to quit the current mode and return to the programmed mode

Adjust the fan speed

Depending on the device on the system, this function allows to adjust the speed of the fan of an IR air conditioning unit or fancoil.

***NOTE**: If the Smarther AC is in a programmed mode, changing the fan speed will automatically switch to manual program mode*



1. Touch to adjust the fan speed; you can select the speed value among 3 levels (1,2,3), or set the speed to automatic

The fan speed is now set

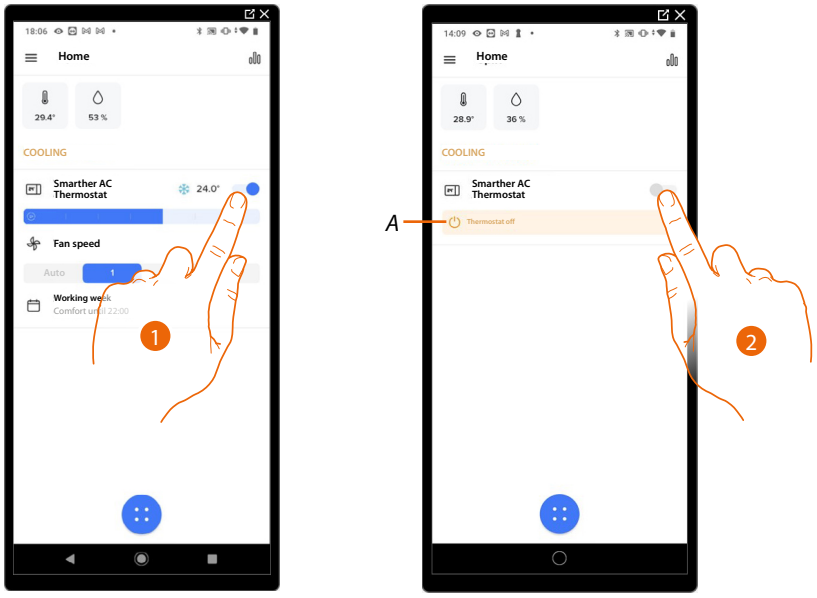
A *Fan speed set*

B *Set mode indication*

C *Setting end time*

Set the OFF function

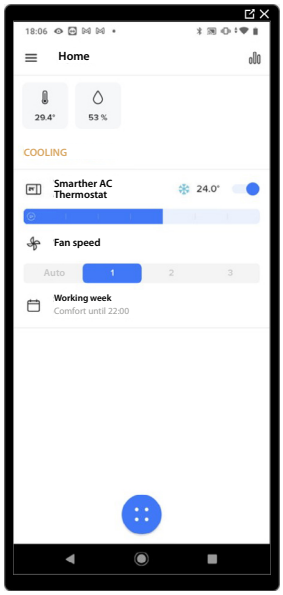
This function allows to switch off the Smarther AC by activating the OFF function.



1. Touch to activate the OFF function and switch off the Smarther AC. The function is now set

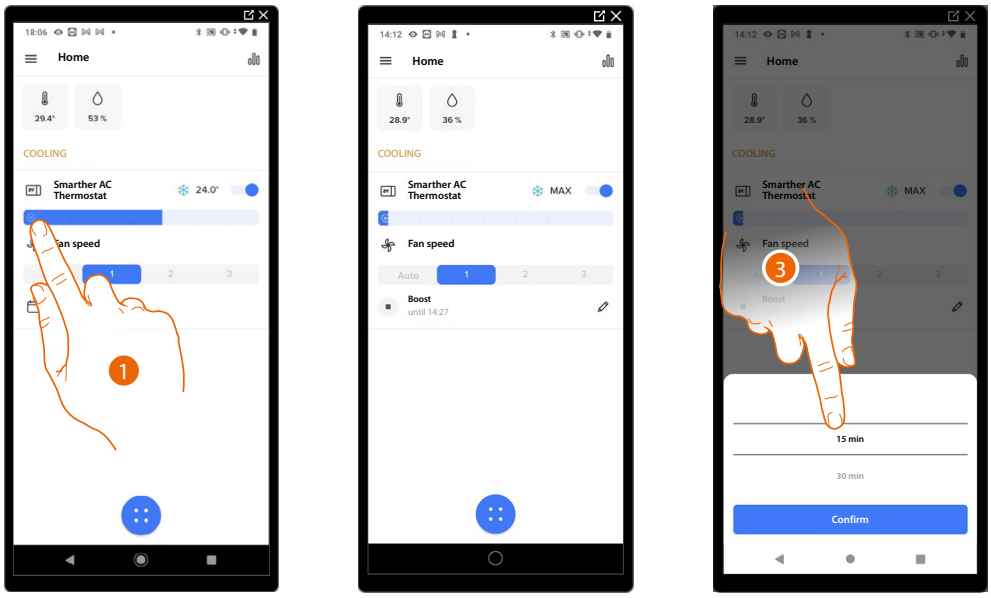
A *Set mode indication*

2. Touch to switch the device back on



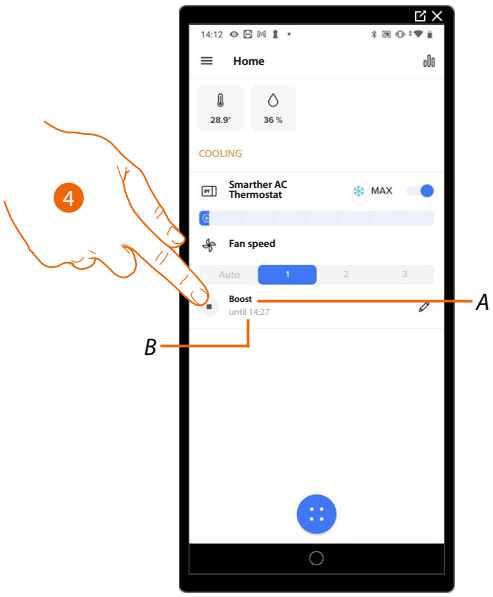
Set the Boost function

This function forces the switching on of the system (both heating and cooling) for a limited time (15,30 or 45 minutes) independent of the measured or programmed temperature.
Once the time set has elapsed, the Smarther AC will resume operation according to the previous program.



1. Touch to set the function
2. Touch to set the desired time
3. Scroll to choose the desired time among 15, 30 and 45 minutes (default 15 minutes)

The function is now set



A *Set mode indication*

B *Setting end time*

3. Touch to quit the current mode and return to the programmed mode

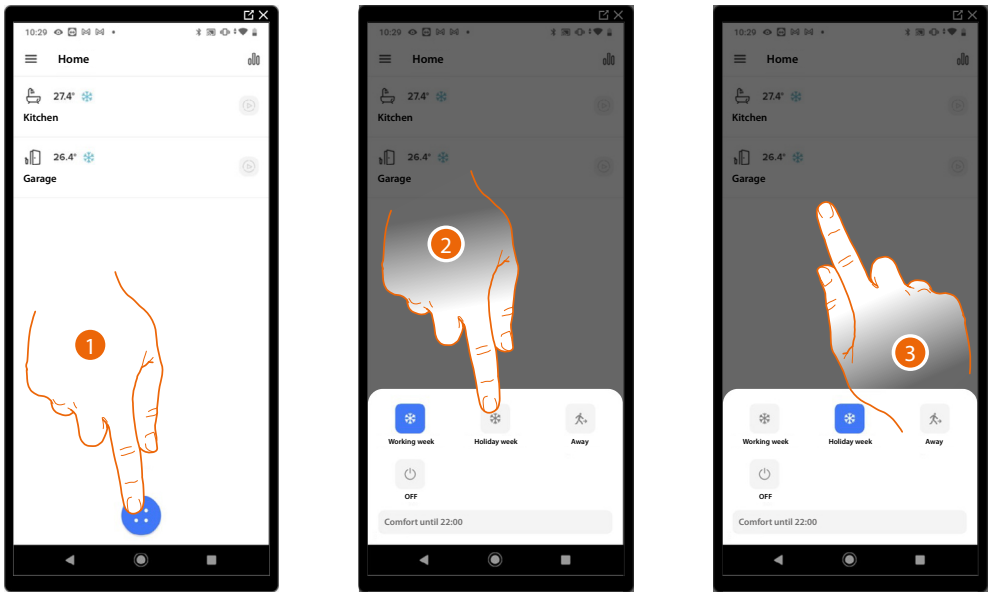
Control all the home devices

Using the home page central button, it is possible to adjust the temperature of the home, sending commands that will affect all the devices.
Therefore it is possible to:

- Select a program to adjust the temperature
- Set the absent function
- set the OFF status

the settings will affect the whole home

Set a program for all the home devices

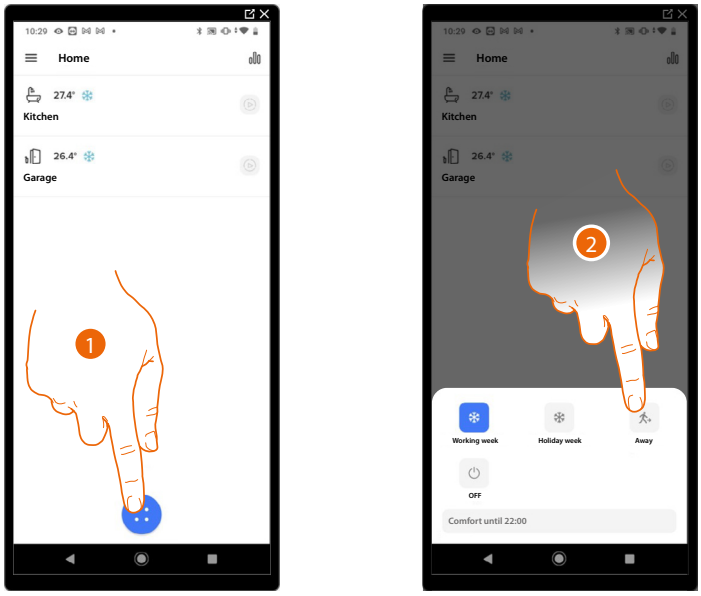


1. Touch to access the Schedules section
2. Touch to select a program among the ones available
3. Touch to confirm

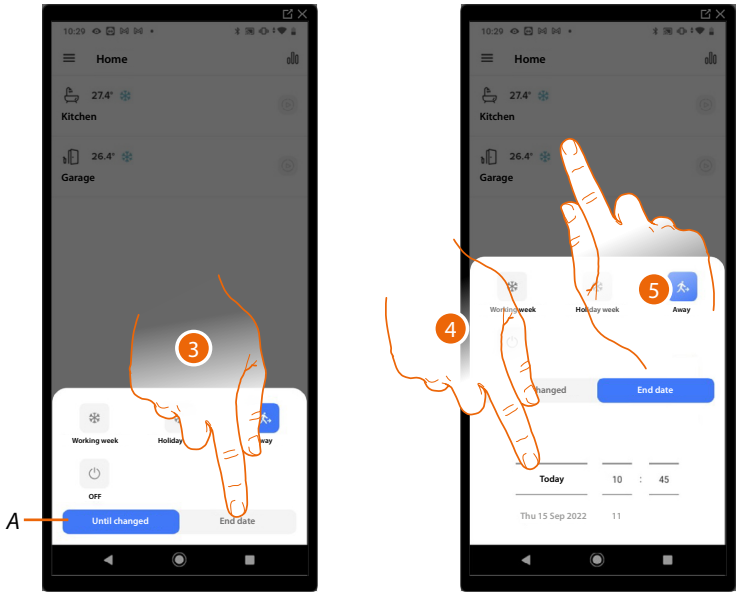
The selected program is now active on all the home devices.
To create or manage new programs, see Schedules.

Absent Function

This setting allows to enable the "Absent" function on the Smarther AC (Default: Heating: 12°C / Cooling: OFF).
The Absent function is very useful when going out for a medium-long period of time and it is necessary to keep an acceptable temperature, avoiding pointless energy waste.



1. Touch to access the control section for the whole home
2. Touch to set the "Absent" function



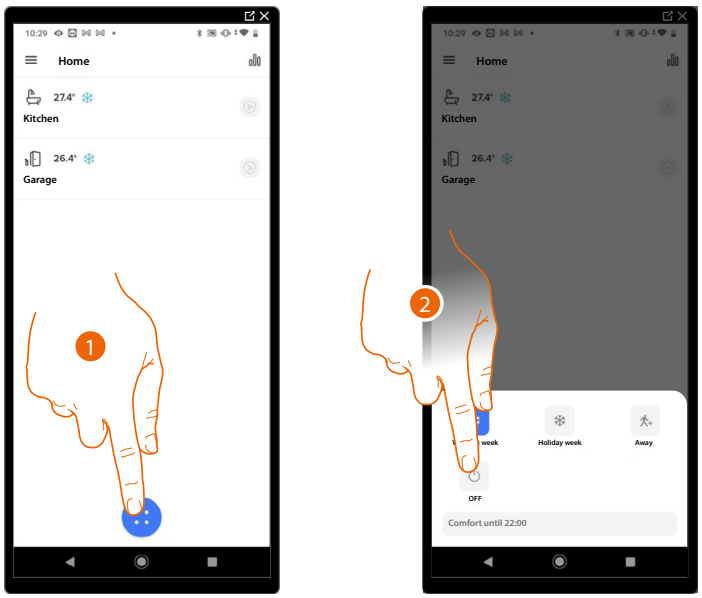
A Touch to set the devices in Absent mode until you change the setting manually.

3. Touch to select a date and time for the end of the "Absent" function
4. Select until what day and time the "Absent" function should remain active
5. Touch to confirm

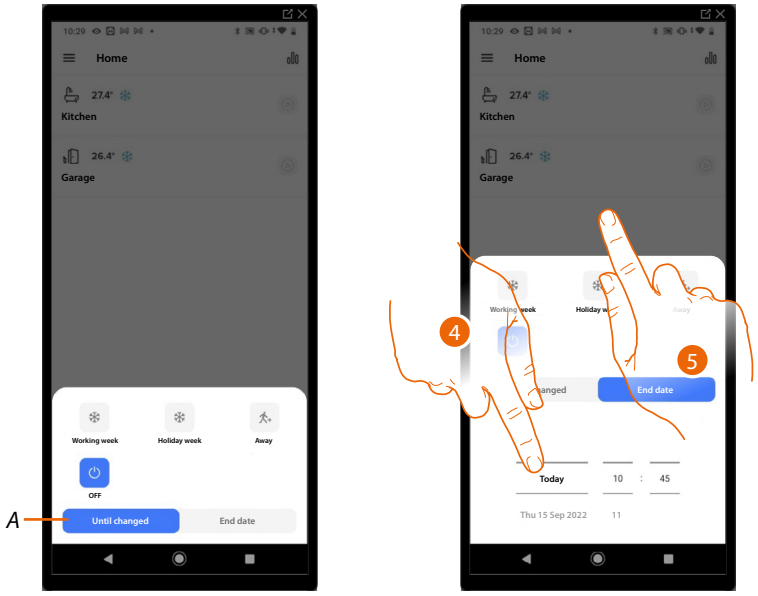
The "Absent" function is now active on all the home devices

OFF function

This setting allows to switch off the Smarther AC by activating the OFF function until a certain date and time.



1. Touch to access the control section for the whole home
2. Touch to set the "OFF" function



A Touch to set the devices to OFF mode, and therefore turn off the Smarther AC.

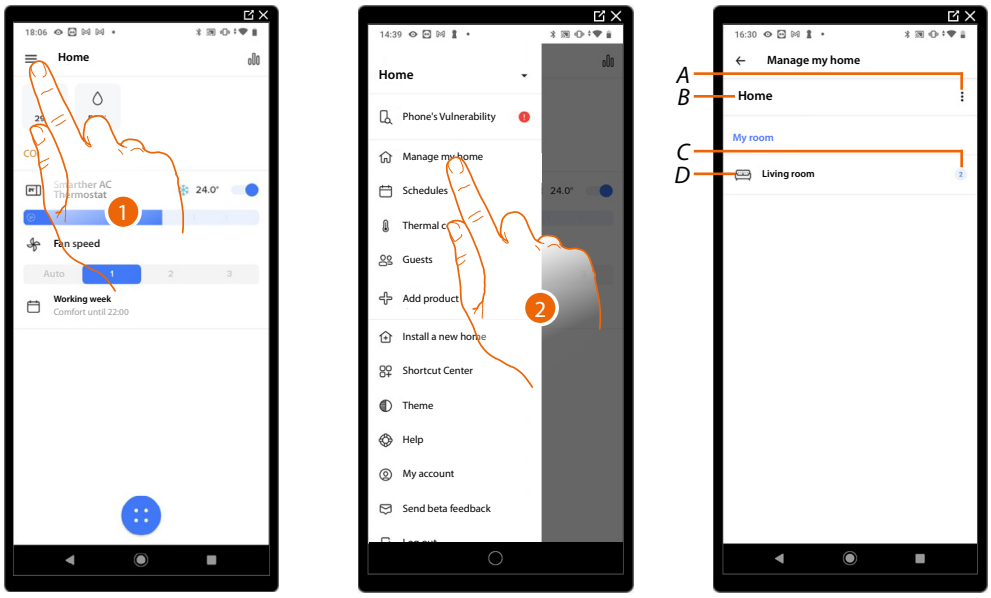
3. Touch to select a date and time for the end of the "OFF" function
4. Select until which day and time the Smarther AC of the home will stay off
5. Touch to confirm

The "OFF" function is now active on all the home devices

Settings

Manage my home

In this section, it is possible to change some settings of the rooms or the whole home.
Inside the rooms, **you will find Smarther AC devices and other associated devices. You will also be able to change some parameters.**



1. Touch to open the Settings menu
2. Touch to access the home management page

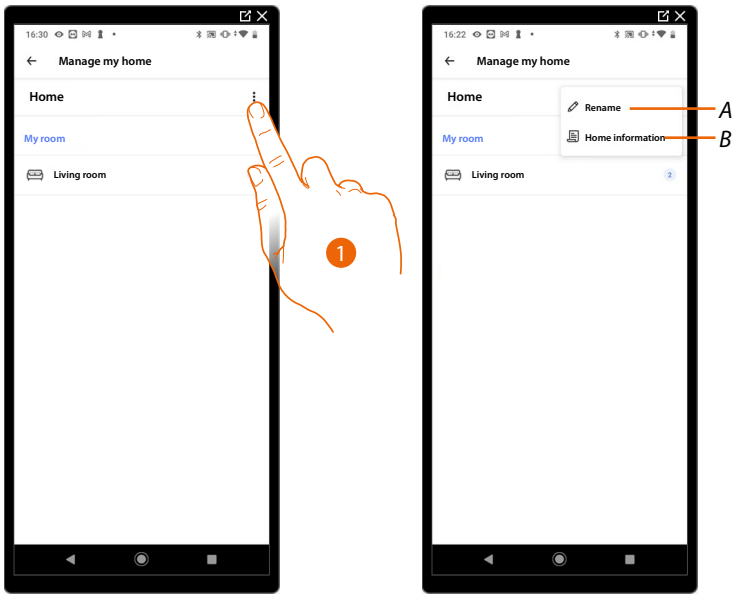
A Opens the Home parameters section

B Home name

C Number of devices in the room

D Opens the Room and device settings section

Home parameters

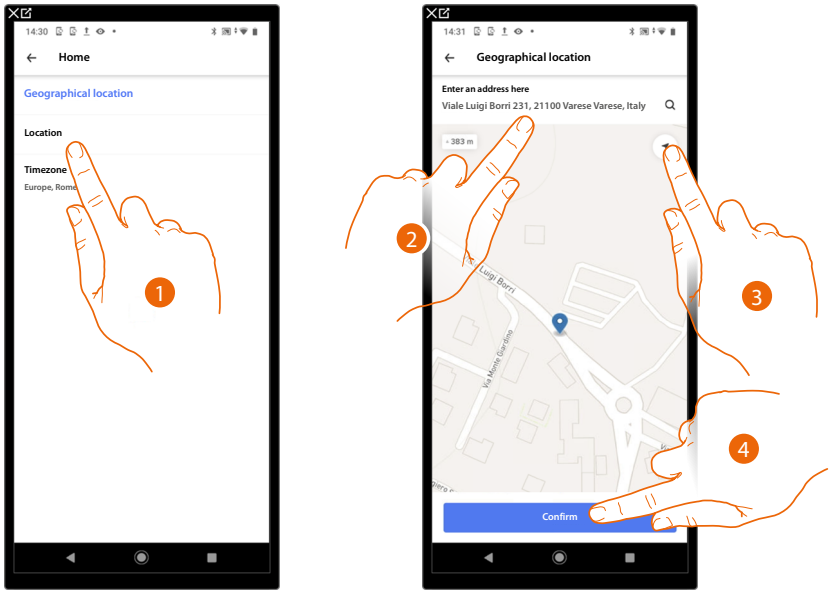


1. Touch to access the home parameters

A Changes the home description

B Set the advanced parameters, such as Localisation and Time Zone

Location

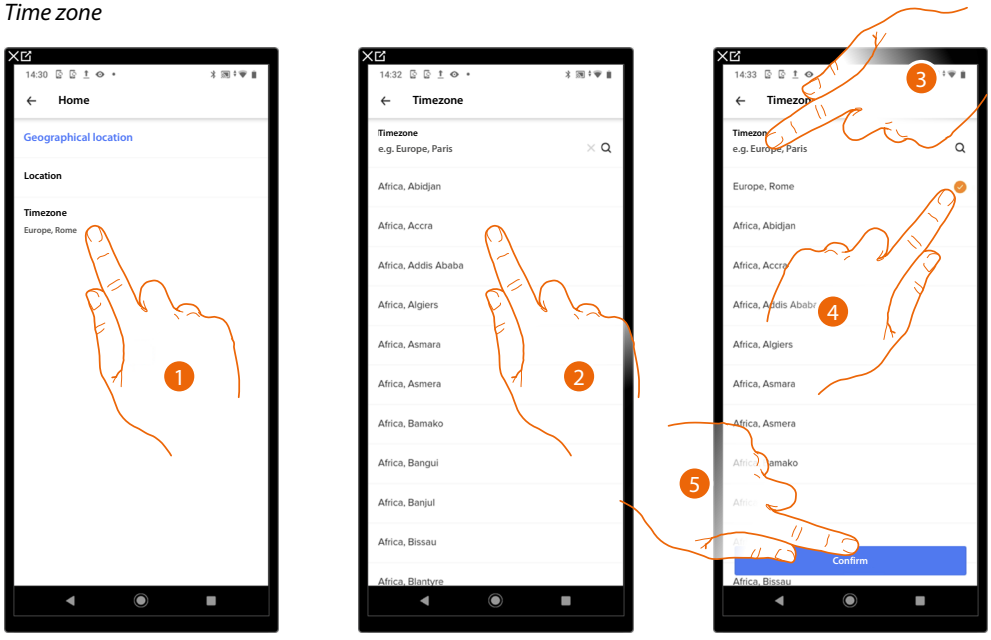


1. Touch to set your home position
2. Enter the address and select it among the suggested ones

Or

3. Touch to enable the automatic geolocation
4. Touch to confirm

Time zone



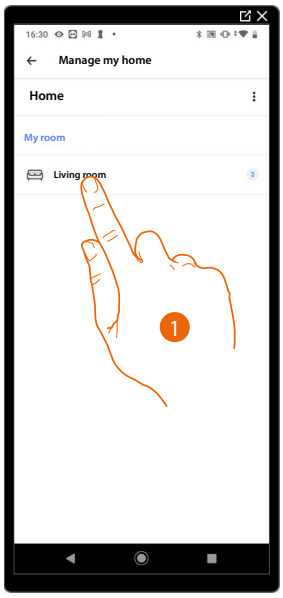
1. Touch to set the reference time zone.
2. Scroll the zone list

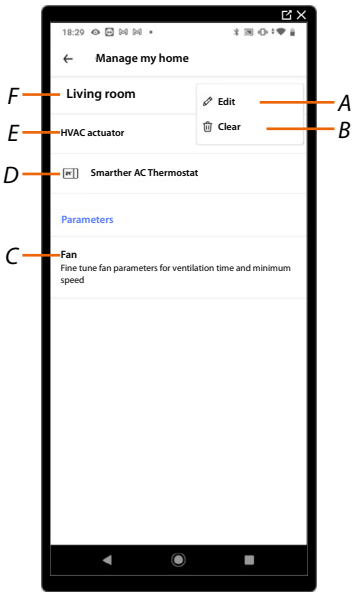
Or

3. Enter the zone
4. Touch to select
5. Touch to confirm

Room and device settings

In this section, it is possible to rename and delete a room or configure the Smarther AC and other associated devices.
The available functions are different depending on the device associated with the Smarther AC (IR air conditioning unit or fancoil actuator)





1. Touch to access the room

A Change the room name and icon

B Delete the room

***NOTE:** In order to remove a room, it will first be necessary to remove all the devices installed inside the same.*

C Set the "Fan" parameter (only if associated with a fancoil actuator)

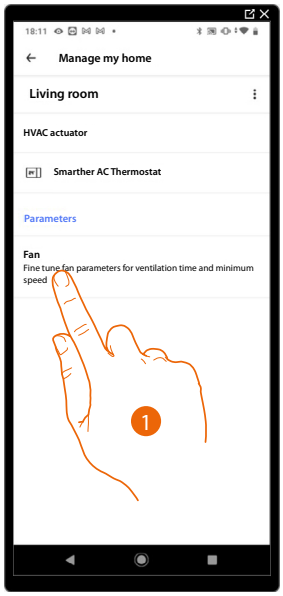
D Configure the Smarther AC and the associated devices; see paragraphs:
– Configure the Smarther AC associated with an IR air conditioning unit;
– Configure the Smarther AC associated with a fancoil actuator

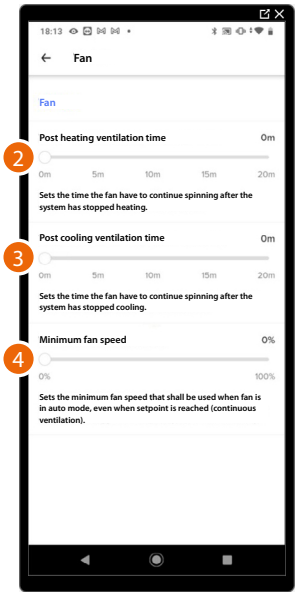
E Manage the fancoil actuator (only if there is an associated fancoil actuator)

F Room name

"Fan" parameter (only with Smarther AC associated with a fancoil actuator)

In this section, it is possible to modify some parameters of the fans.

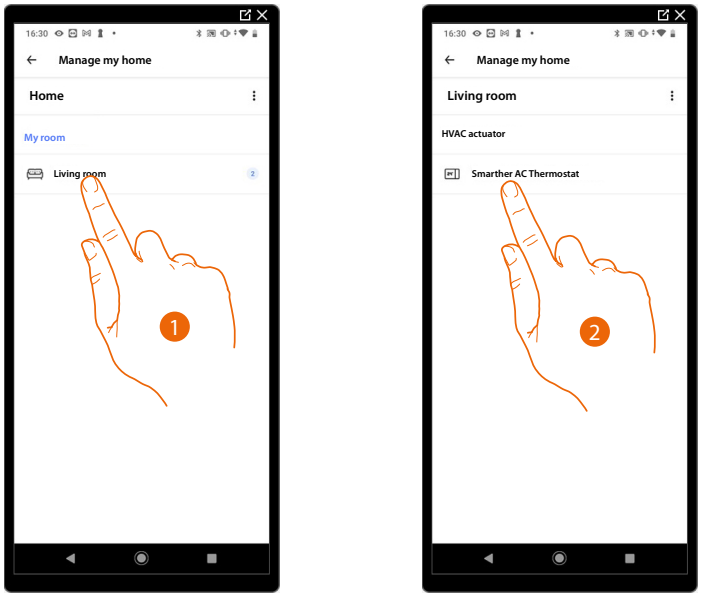




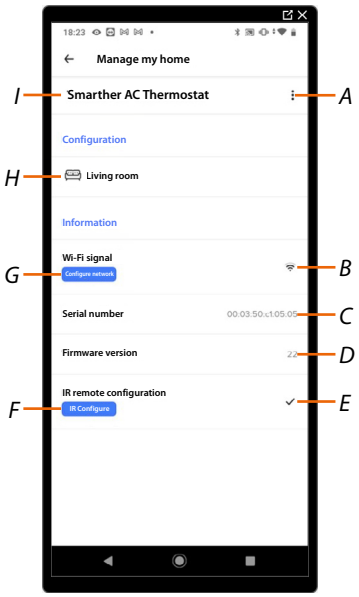
1. Touch to access the section for changing the parameters of the fans
2. Scroll to set the time during which the fans will continue running after the heating system has been switched off
3. Scroll to set the time during which the fans will continue running after the cooling system has been switched off
4. Scroll to set the minimum fan speed when the system is in automatic mode.

Configure the Smarther AC associated with an IR air conditioning unit

In this section, you can view some information regarding Smarther AC and IR air conditioning unit. It is also possible to perform various configurations on the Smarther AC, such as configuring the network and more, or repeat the association with the IR air conditioning unit.



1. Touch to access the room where the Smarther AC has been inserted
2. Touch to access the device management page



A *Manage the Smarther AC*

B *Displays the quality of the Wi-Fi signal*

C *Displays the Smarther AC serial number*

D *Displays the firmware version*

E *If present, it indicates that the IR air conditioning unit is associated*

F *Configure the IR air conditioning unit*

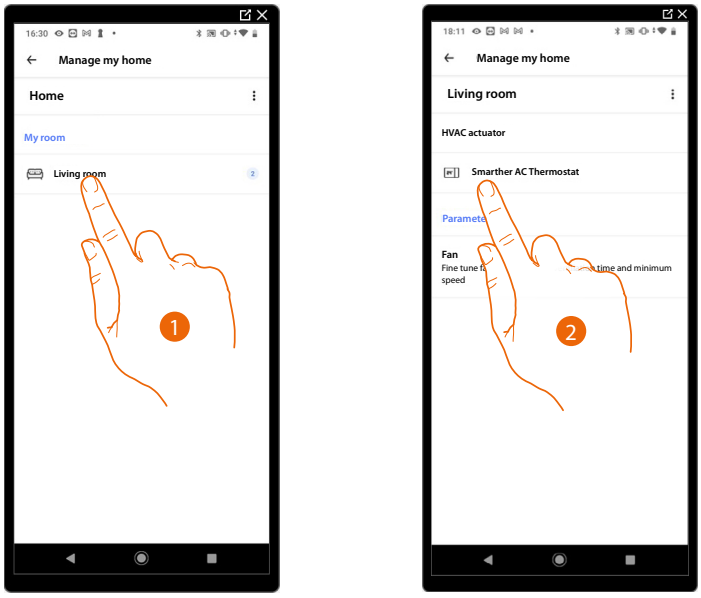
G *Configure the network*

H *Advanced settings*

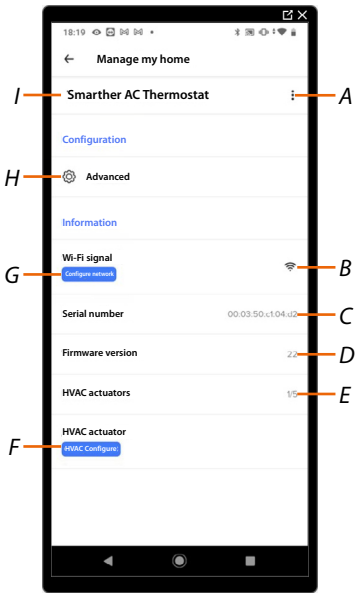
I *Name of the Smarther AC*

Configure the Smarther AC associated with a fancoil actuator

In this section, it is possible to view some information about the Smarther AC and the fancoil actuator.
It is also possible to perform various configurations on the Smarther AC, such as configuring the network and more, or change the hydraulic parameters of the fancoil actuator.



1. Touch to access the room where the Smarther AC has been inserted
2. Touch to access the device management page



A *Manage the Smarther AC*

B *Displays the quality of the Wi-Fi signal*

C *Displays the Smarther AC serial number*

D *Displays the firmware version*

E *Number of fancoil actuators associated with the Smarther AC (maximum 5)*

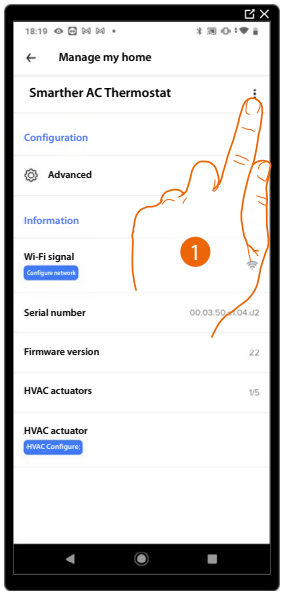
F *Configure the hydraulic parameters of the fancoil actuator (Android operating system), (iOS operating system)*

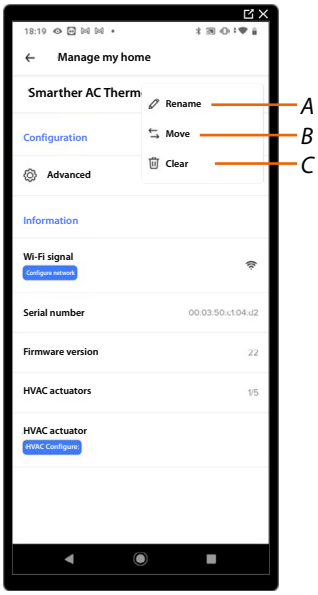
G *Configure the network*

H *Advanced settings*

I *Name of the Smarther AC*

Manage the Smarther AC





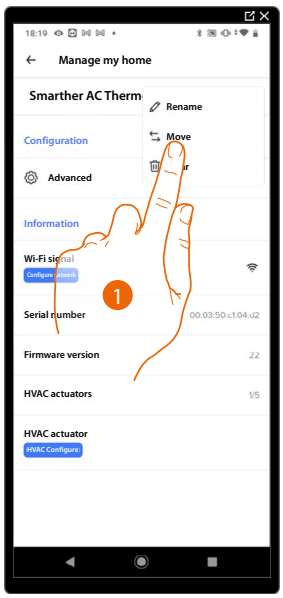
1. Touch to manage the device

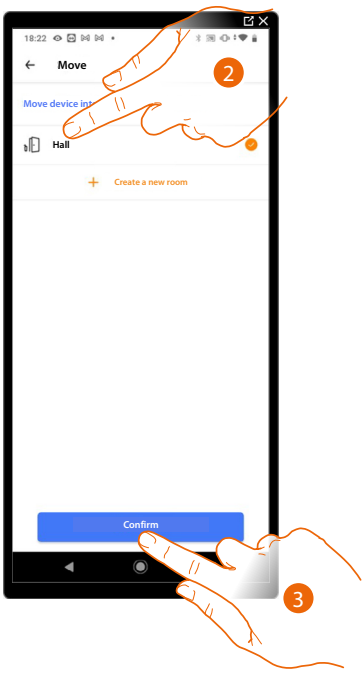
A *Touch to rename a product*

B ***Move***

C ***Delete***

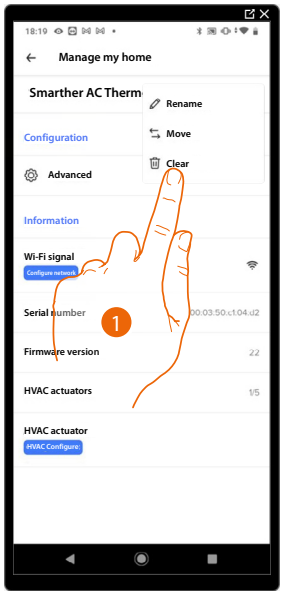
Move

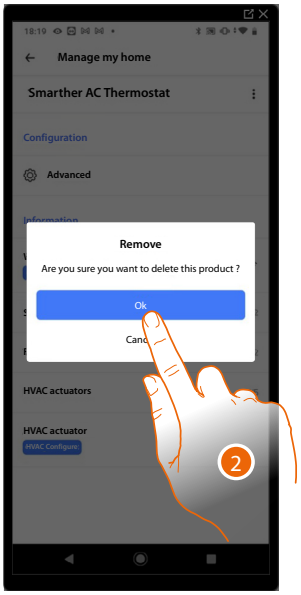




1. Touch to move the Smarther AC into another room
2. Touch to select the room where you want to insert the Smarther AC
3. Touch to confirm

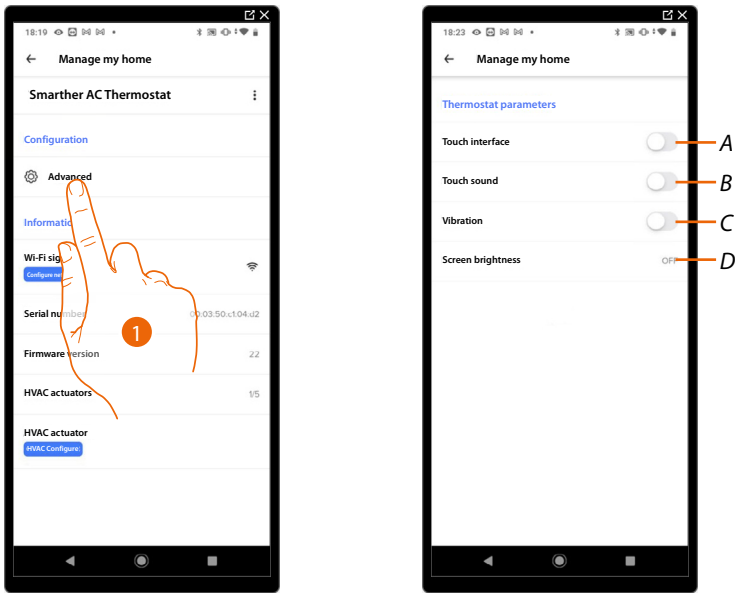
Delete





1. Touch to remove the Smarther AC from your home
2. Touch to confirm

Advanced settings



1. Touch to enter the advanced parameters section

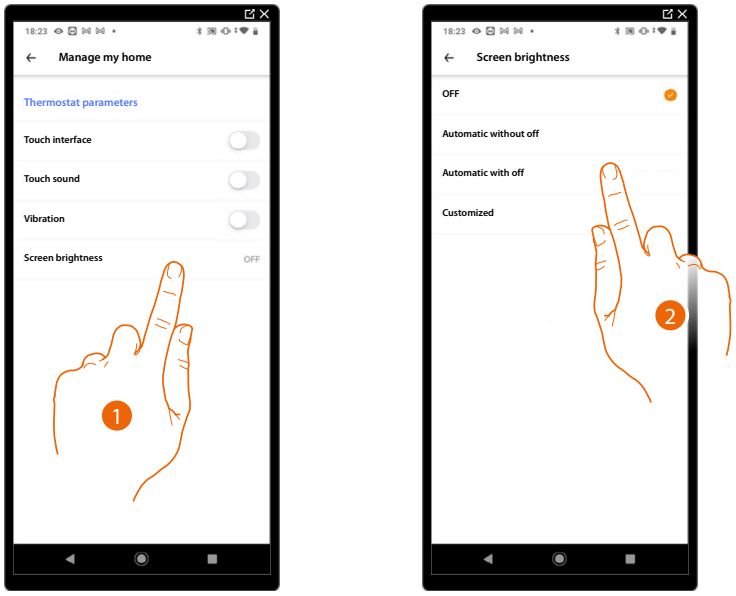
A *Enable/disable the Smarther AC touch interface and the actual physical keys. If the function is disabled, it will no longer be possible to interact with the Smarther AC physical interface but only to display the information.*
This function can be useful if you don't want the settings to be modified from the Smarther AC, but only from the App (e.g. children's bedroom or public establishment).

B *Enable/disable the sound when touching the keys (both the screen keys and the physical keys).*

C *Enable/disable the vibration when touching the keys (both the screen keys and the physical keys).*

D ***Adjust the lighting level when the display is in stand-by***

Display brightness

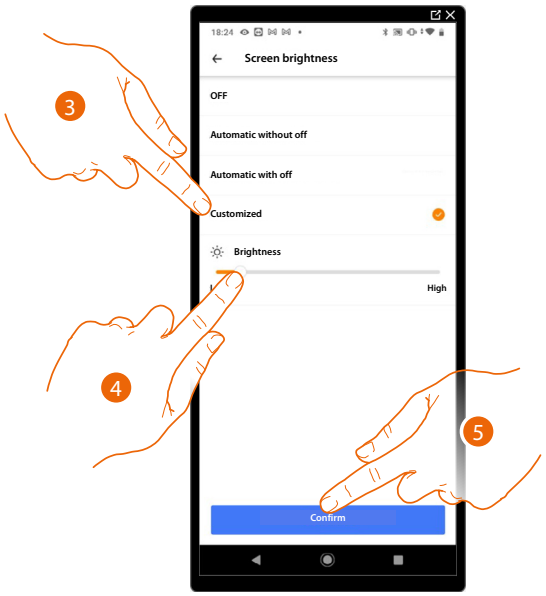


1. Touch to select the display lighting operating logic

After 10 seconds, the display switches off, goes to stand-by mode and performs the selected operating logic.

2. Select the mode among

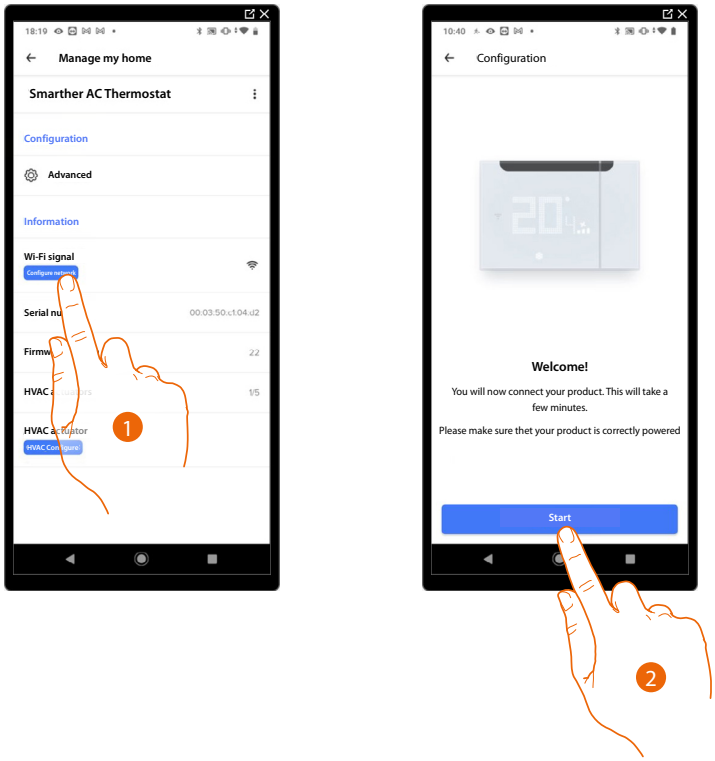
OFF	It switches off
Automatico senza Off	Depending on the room brightness, it adjusts the display and, in case of low brightness, adjusts it to minimum
Automatico con spegnimento	Depending on the room brightness, it adjusts the display and, in case of low brightness, turns it off (e.g. night)
Personalizzata	It adjusts the display in a precise and user-configurable way (see below)



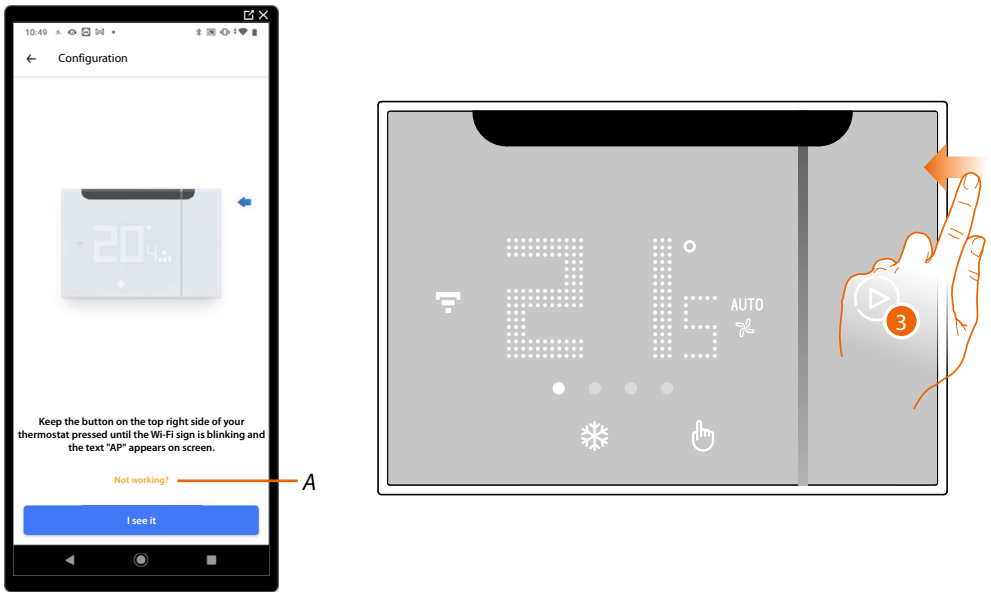
3. Select the customised mode
4. Scroll to adjust the brightness in stand-by precisely
5. Touch to save

Configure the network

In this section, it is possible to set to which Wi-Fi network the Smarther AC is connected.
This function is useful for example when replacing the router, or when you want to connect the Smarther AC to a network other than the one selected during the first installation.

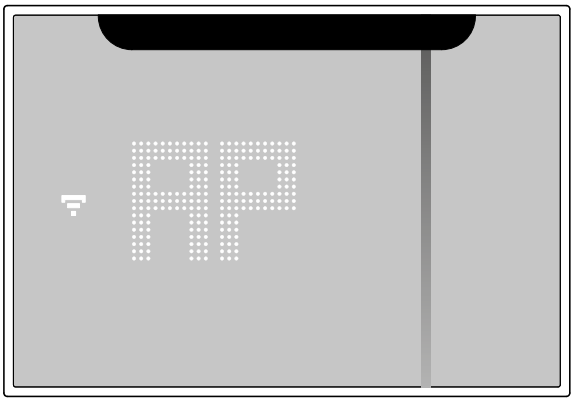


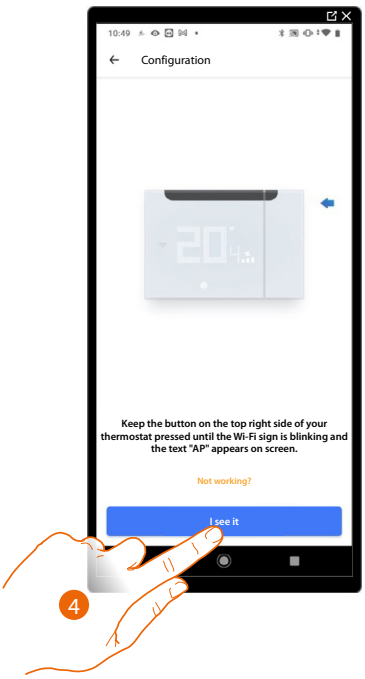
1. Touch to change the Wi-Fi network to which the Smarther AC is connected
2. Touch to start



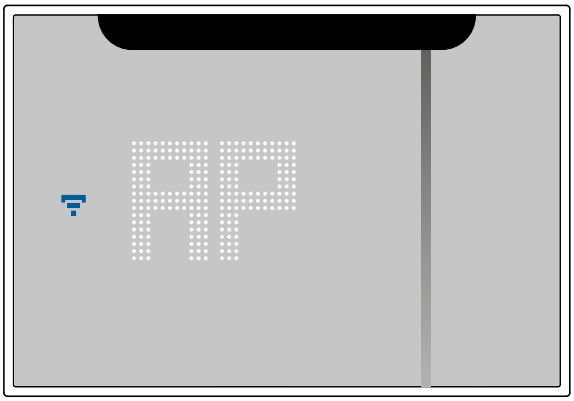
A Opens the FAQ to help in the resolution of the problem

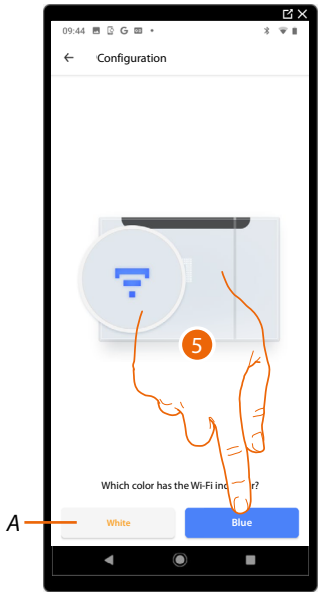
3. Keep the upper Smarther AC pushbutton pressed until "AP" appears





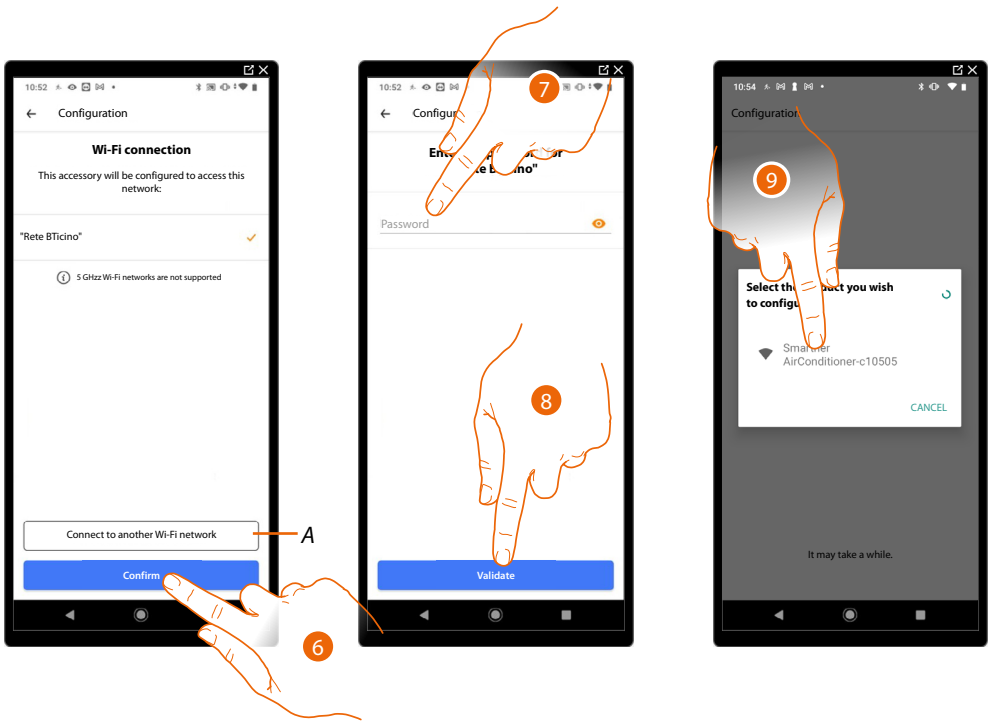
4. Press to continue





5. The Smarther AC shows the blue Wi-Fi symbol. Touch it to continue the configuration

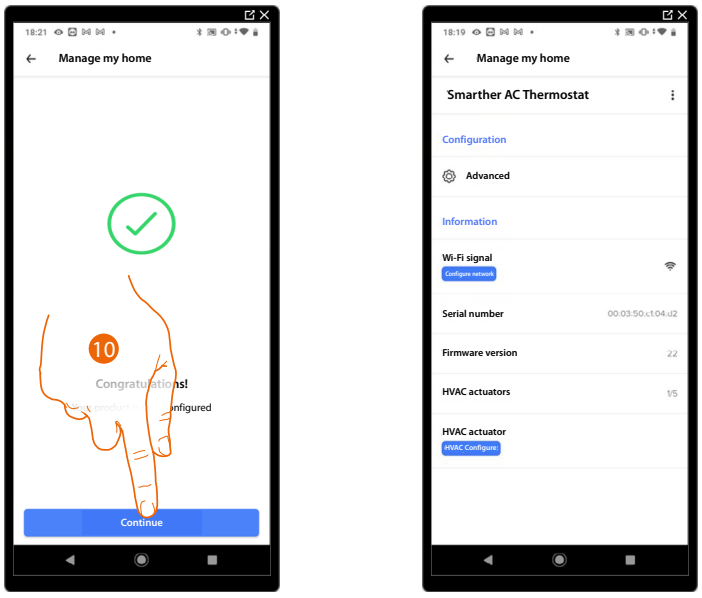
A Indicates that you are trying to complete the association using an incorrect App



6. Touch to confirm the suggested home Wi-Fi network, otherwise touch (A) *to* select a different one
7. Enter the home Wi-Fi password
8. Touch to continue

***NOTE**: If the firmware on your device is not up-to-date, the firmware update screen may appear at this point.*

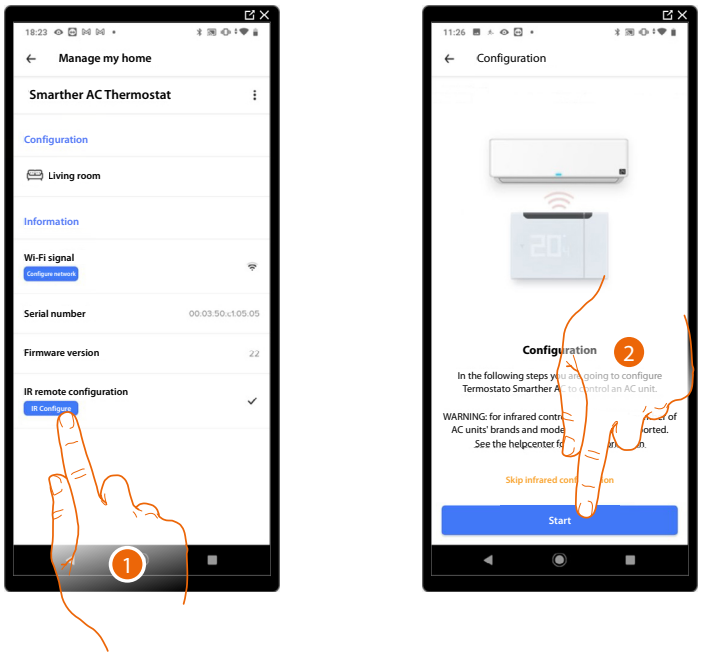
9. Select the Smarther AC



10. The Smarther AC is configured correctly; touch to end the procedure

Configure the IR air conditioning unit

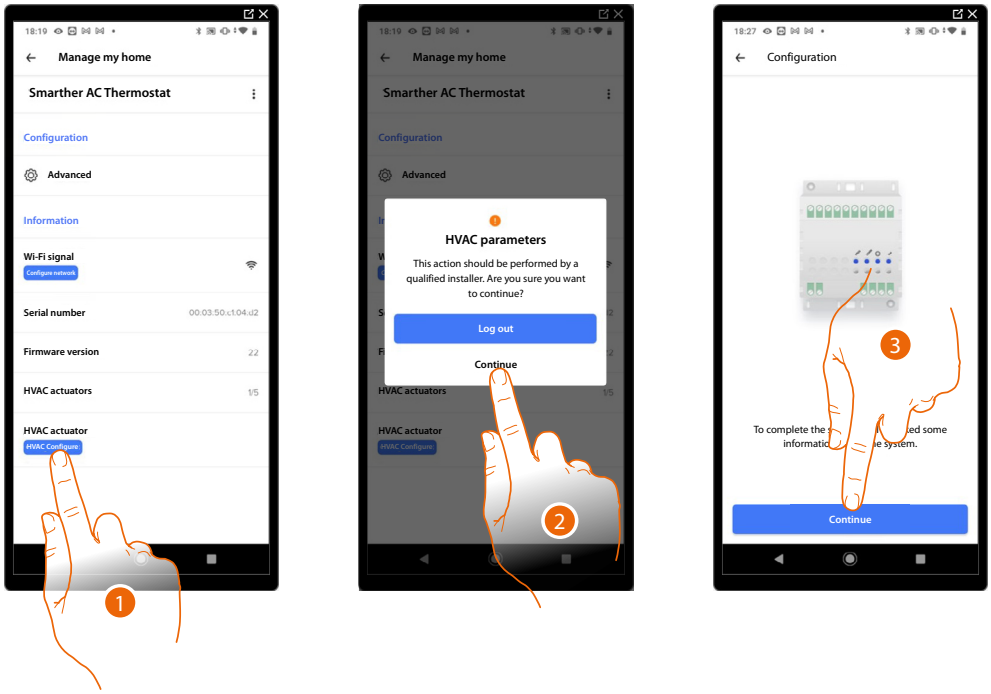
This procedure allows to associate the Smarther AC with an IR air conditioning unit, so that through the infrared system you will be able to control the IR air conditioning unit directly from the Smarther AC.



1. Touch to associate an IR air conditioning unit
2. Touch to start the procedure, see:
   – Association of the Smarther AC with an IR air conditioning unit using a smartphone with Android operating system
   or
   – ssociation of the Smarther AC with an IR air conditioning unit using a smartphone with iOS operating system

Configure the fancoil actuator

This procedure allows to change the hydraulic parameters of the fancoil actuator associated with the Smarther AC.



1. Touch to modify the parameters

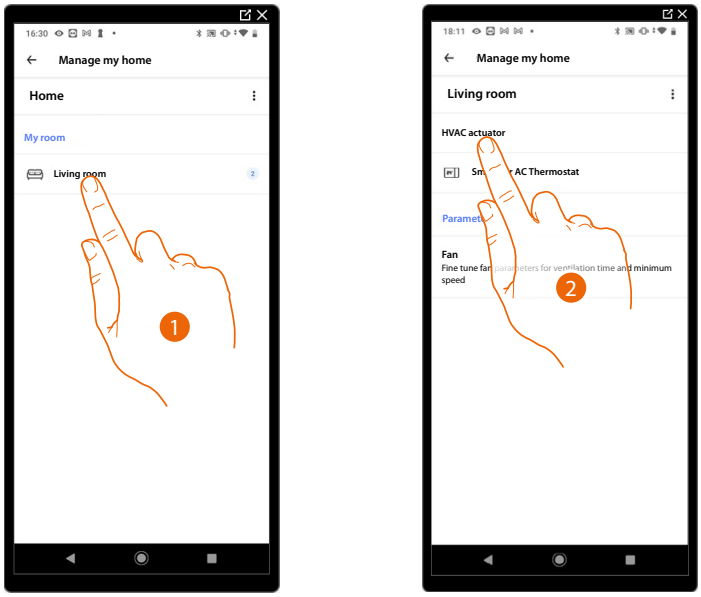
***CAUTION**: Parameter changes must be carried out by qualified personnel in order to avoid possible system malfunctions.*

2. Touch to enter the modification section

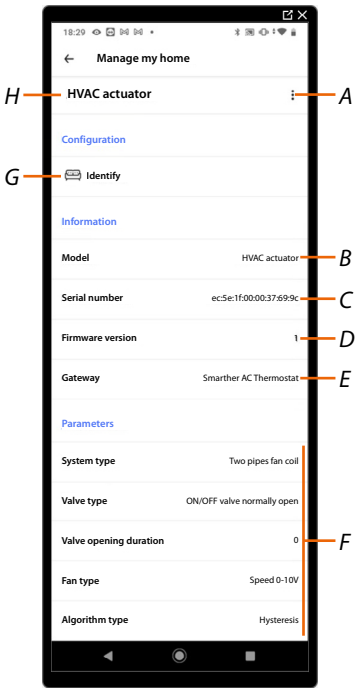
3. Touch to start editing the parameters, see:
   – Association of the Smarther AC with an Actuator (fancoil actuator) using a smartphone with Android operating system (point 31)
   or
   – Association of the Smarther AC with an Actuator (fancoil actuator) using a smartphone with iOS operating system (point 36)

Manage the fancoil actuator associated with the Smarther AC

In this section, it is possible to view some information about the Smarther AC and the fancoil actuator. It is also possible to perform various configurations on the Smarther AC, such as configuring the network and more, or change the hydraulic parameters of the fancoil actuator.



1. Touch to access the room where the the actuator has been inserted
2. Touch to access the device management page



A *Rename and delete the actuator*

B *Displays the device model*

C *Displays the actuator serial number*

D *Displays the firmware version*

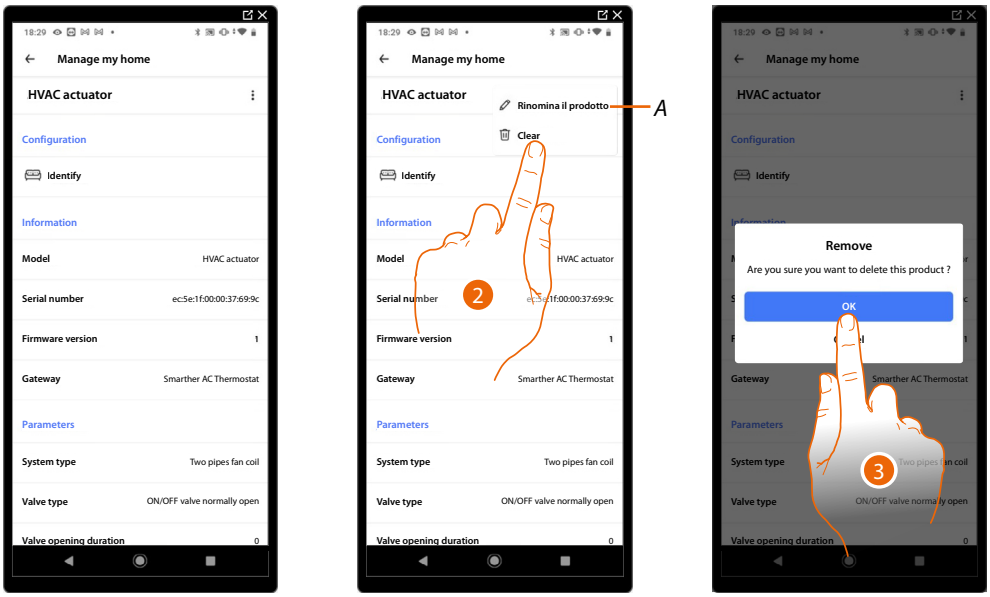
E *Device to which the fancoil actuator is connected*

F *Display the hydraulic parameters. To change them, see Configure the hydraulic parameters of the fancoil actuator (Android operating system), (iOS operating system)*

G *Touch to identify the actuator in the system*

H *Smarther name*

Rename and delete the fancoil actuator associated with the Smarther AC



1. Touch to manage the actuator

A *Rename the actuator*

2. Touch to remove the actuator from your home

3. Touch to confirm

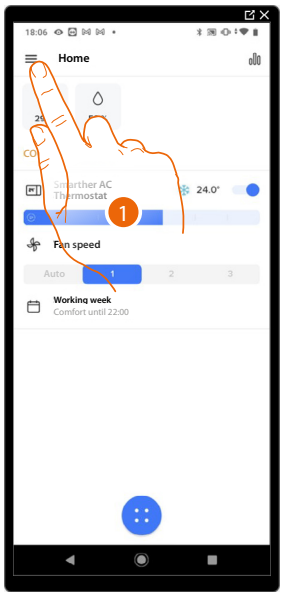
Schedules

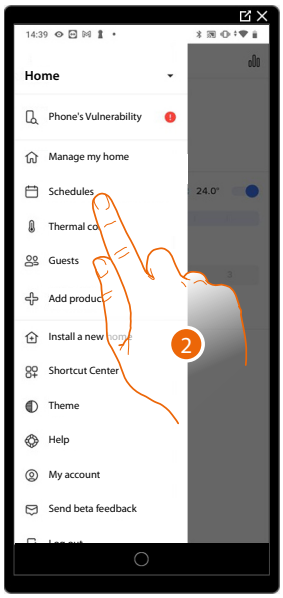
During the association of your Smarther AC with your Smartphone, through the answers to some questions regarding your living habits the tutorial has allowed you to create a program that manages the temperature inside the home based on your needs.
The created program sets different temperatures based on time and week day; available preset temperatures are:

COMFORT		Temperature to set when you are at home
ECO		Temperature to set when you are not at home
NOTTE		Temperature to set at night

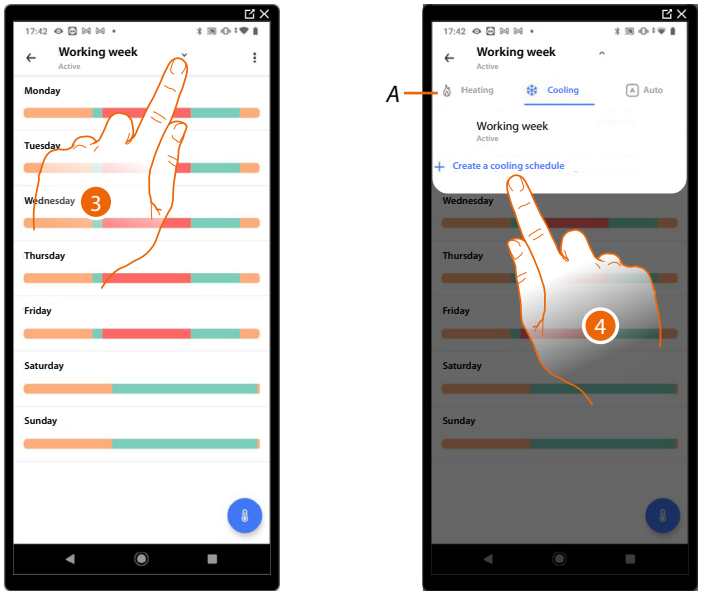
It is possible to change the set points, or create new ones; see Set point

Create a new program





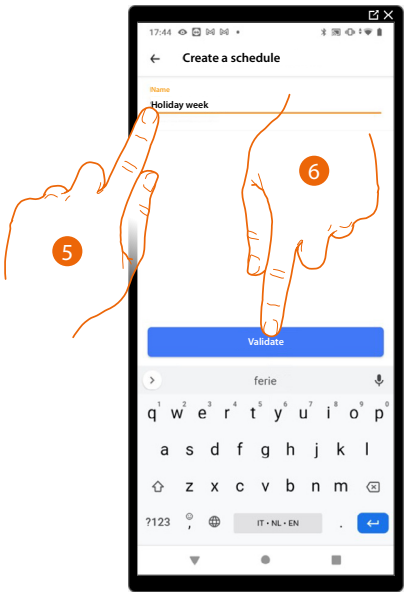
1. Touch to open the Settings menu
2. Touch to access the Schedules page



3. Touch to open the Programs menu

A *Select the type of system for the new program, either:*
***Heating**: If the measured temperature is below the programmed setpoint for the period, the heating system is activated.*
When the set temperature is reached, the thermostat switches the zone off.
***Cooling** if the measured temperature is above the programmed setpoint for the period, the cooling system is activated.*
When the set temperature is reached, the thermostat switches the zone off.
***Automatic**: If the measured temperature is below or above the programmed setpoint for the period, the system automatically activates either the heating or the cooling system.*
When the set temperature is reached, the thermostat switches the zone off.
This function can be used when there is a need for the thermostat to automatically switch between heating and cooling and is useful, for example, in case of 4-tube fan coils.

4. Touch to create a new program



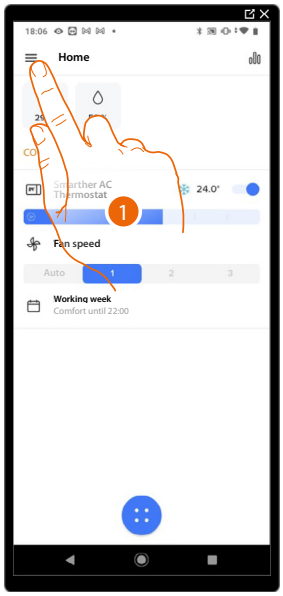
5. Enter a name for the program
6. Touch to confirm

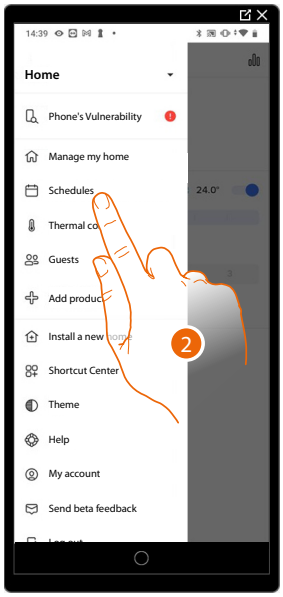
Now create a new program using the guided procedure.

***NOTE**: In addition to creating a new program through the guided procedure, it is also possible to customise an existing program (see Example of creation of a new program from an existing one)*

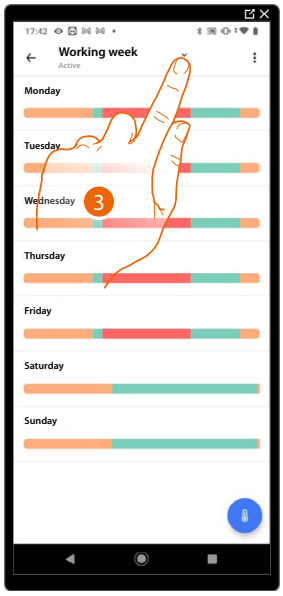
Duplicate a program

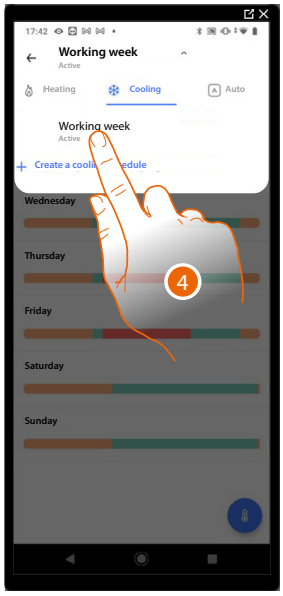
Via this function you can copy and if necessary modify an existing program





1. Touch to open the Settings menu
2. Touch to access the Schedules page and create a new program* by duplication

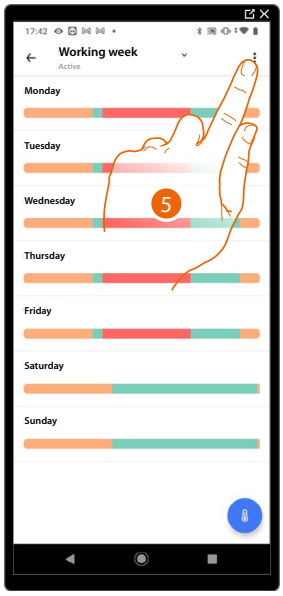


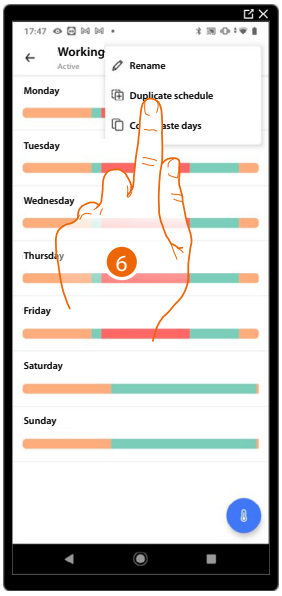


3. Touch to open the Programs menu

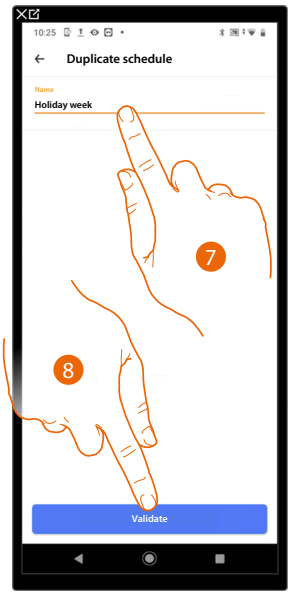
CAUTION: each Smarther can manage up to **10 programs, 150 weekly temperature variations and **12 different temperatures***

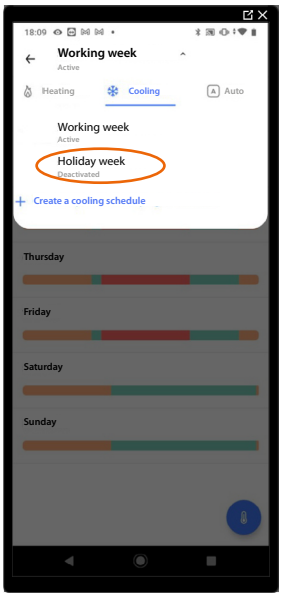
4. Touch to select the program to copy





5. Touch to duplicate the program
6. Select to duplicate the program



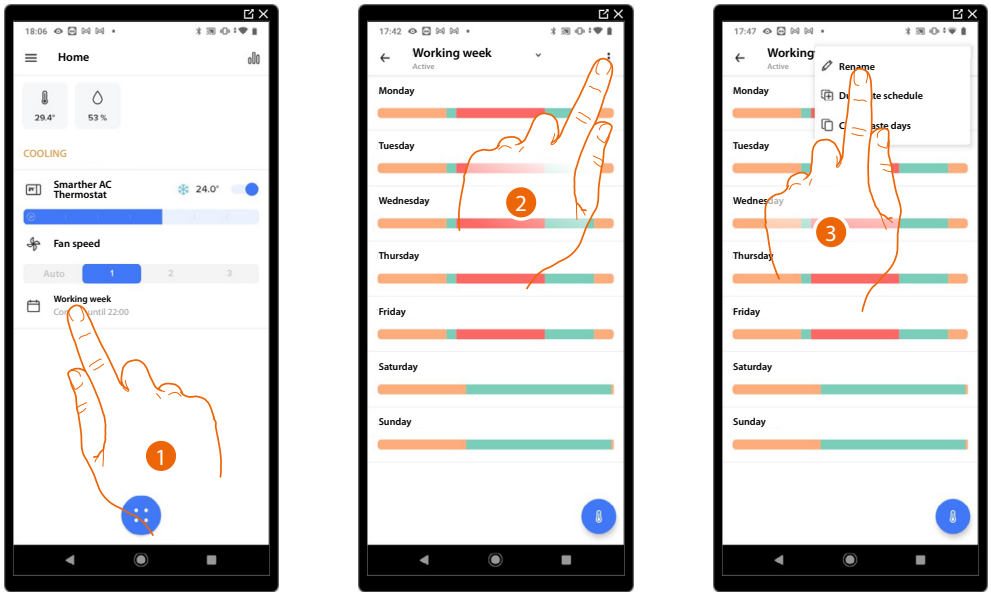


7. Enter a description for the program
8. Touch to confirm

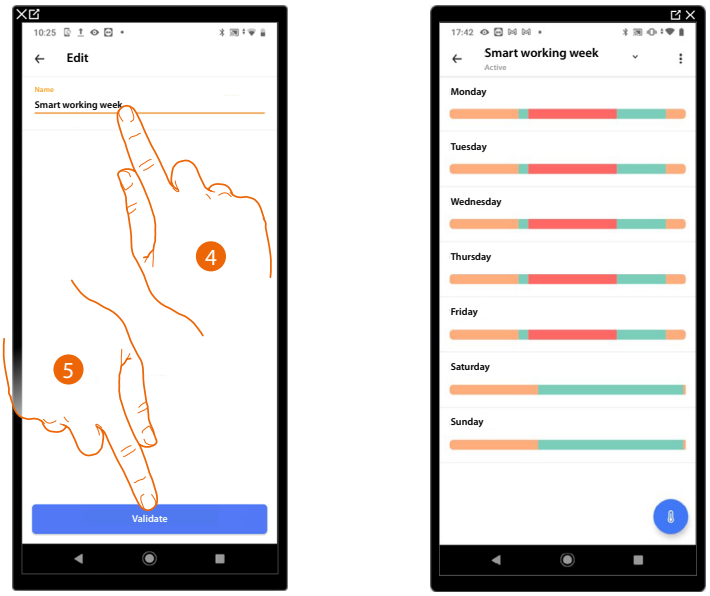
Now the program appears in the program list and can be activated, modified or deleted.

Rename a program

This function allows to rename a program.



1. Touch to access the Programs section
2. Touch to display the program options
3. Touch to rename the program



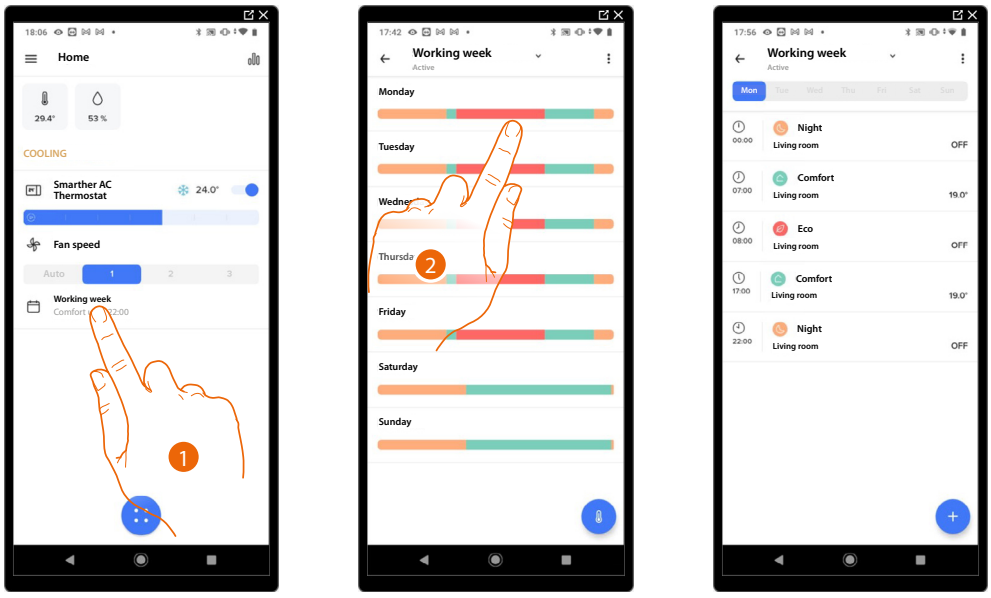
4. Rename the program
5. Touch to confirm

Modify a program

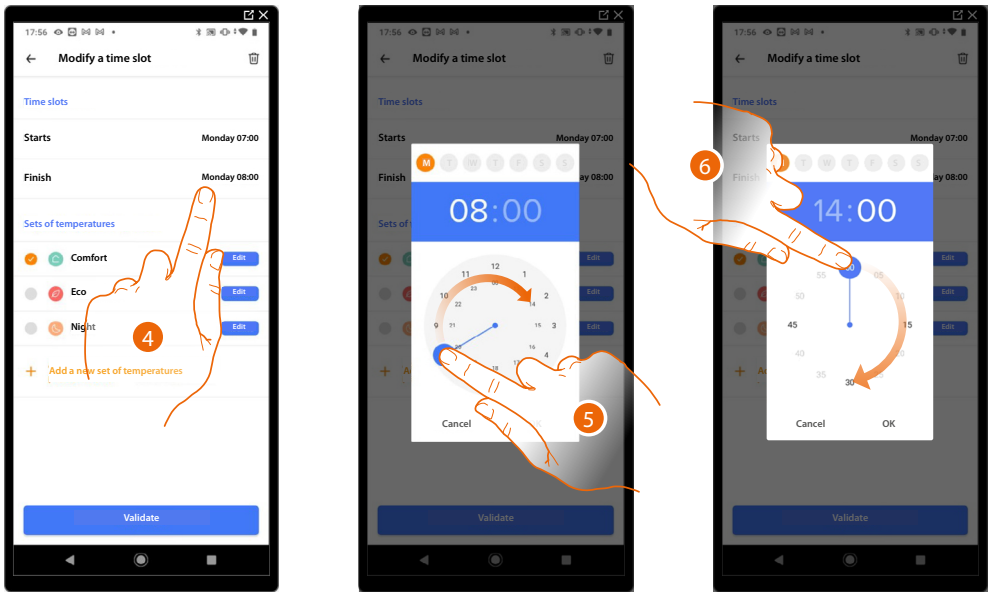
You can customise a programme better by changing certain parameters:

- Change a time interval;
- Copy-paste the days;
- Set-point.

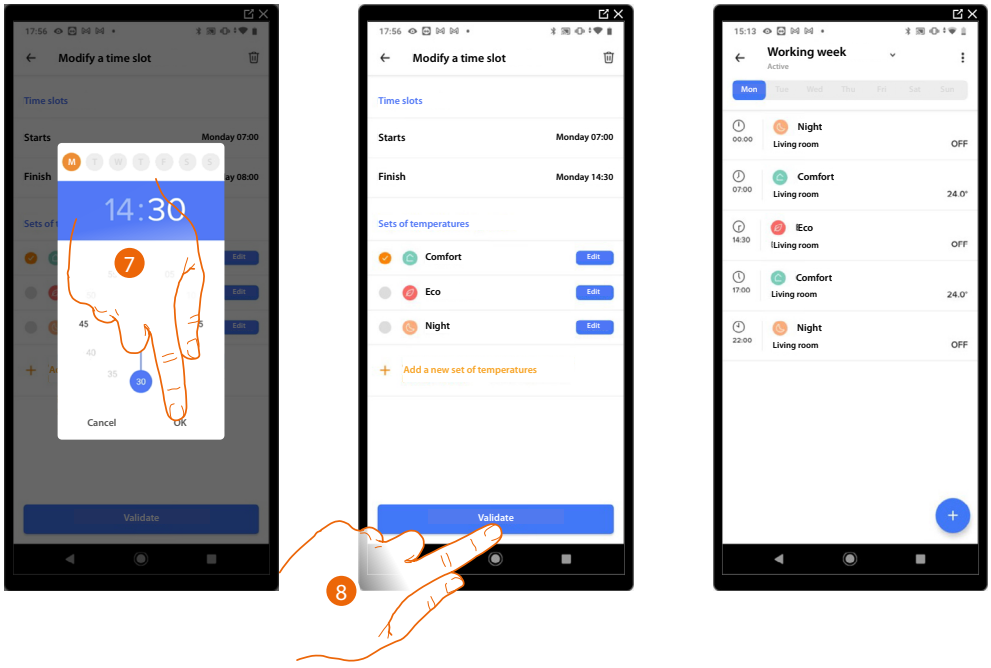
Change a time interval



1. Touch to access the Programs section
2. Touch to select a programming profile to modify
3. Touch to select the time interval to modify



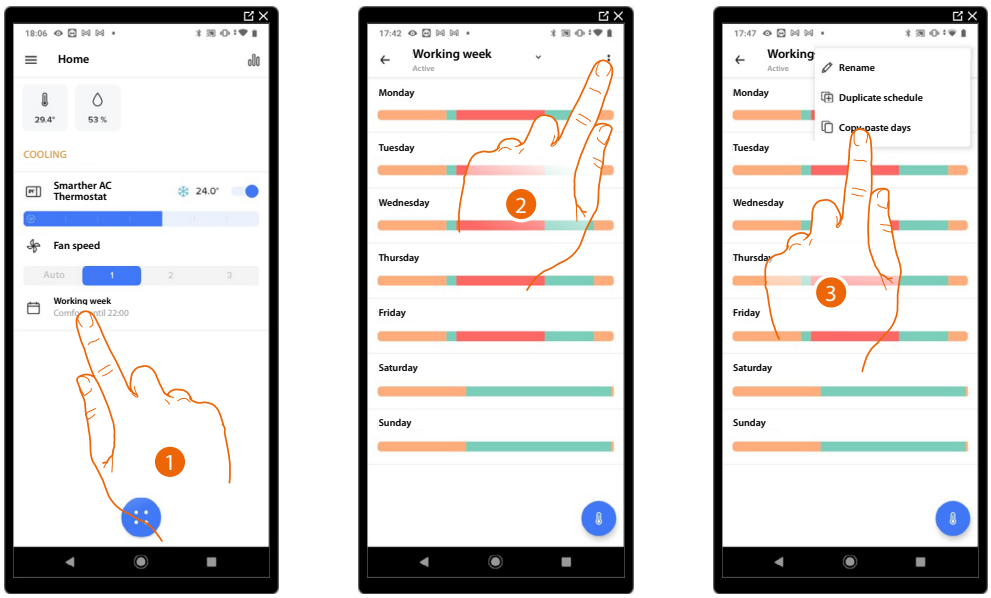
4. Touch to select the interval end date and time
5. Select the interval end hour
6. Select the interval end minutes



7. Touch to confirm the selected hours and minutes
8. Touch to confirm the modification

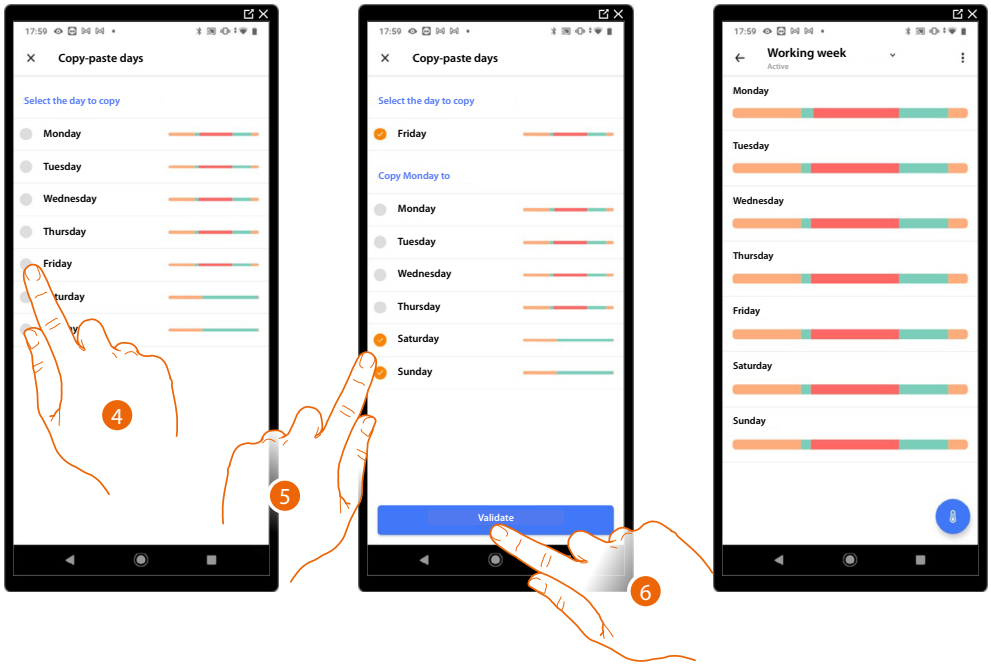
Copy-paste the days

This function gives the possibility of copying the profile created for a certain day to one or more days of the week.



1. Touch to enter the Programs section
2. Touch to display the available functions for the program
3. Touch to select the function that will allow you to copy-paste the days

In this example, the Friday profile is also repeated on Saturday and Sunday



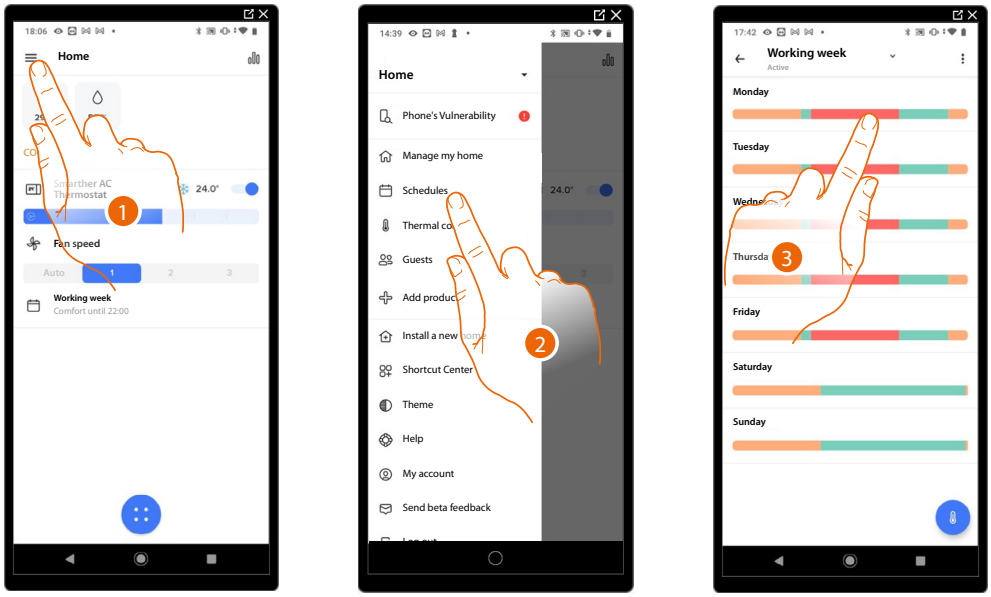
4. Select the day with the profile to copy
5. Select the day or the days on which you want to repeat the profile
6. Touch to confirm

Set point

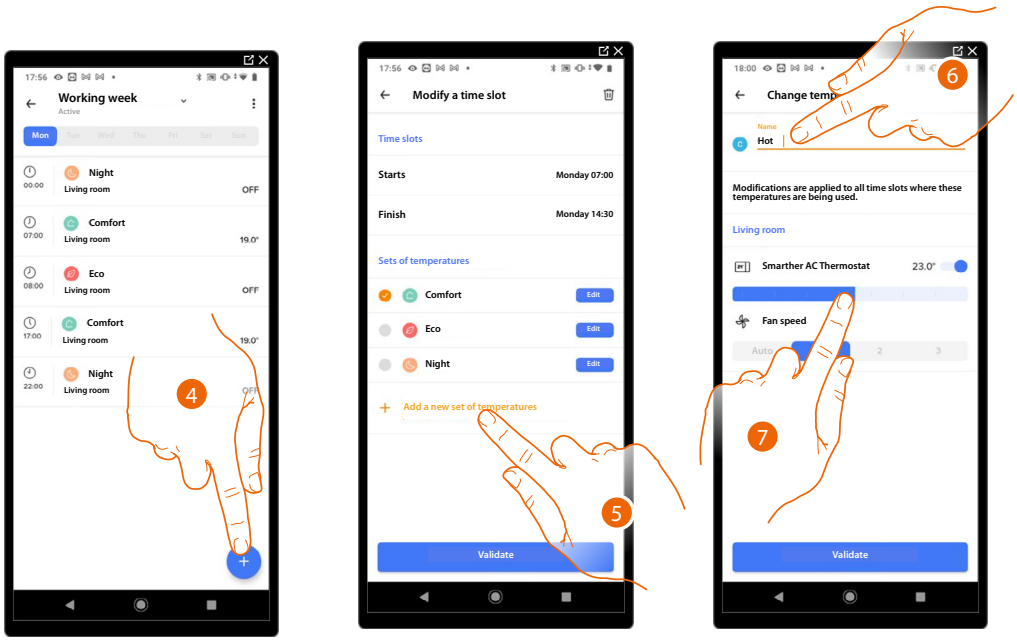
You can add and delete custom set-points to better manage the programs of your thermostat. You can also change the temperature of the default set-points.

Add a set point

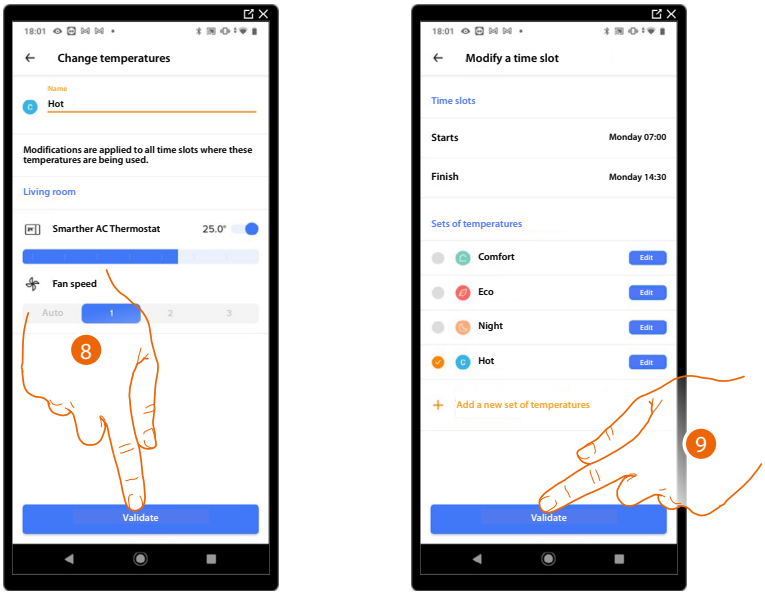
This function gives the possibility of adding set points, customising the temperature and name based on personal needs. The set point is only added to the current program.



1. Touch to open the Settings menu
2. Touch to access the Schedules page
3. Enter the profile of the day in which you want to insert the custom set point



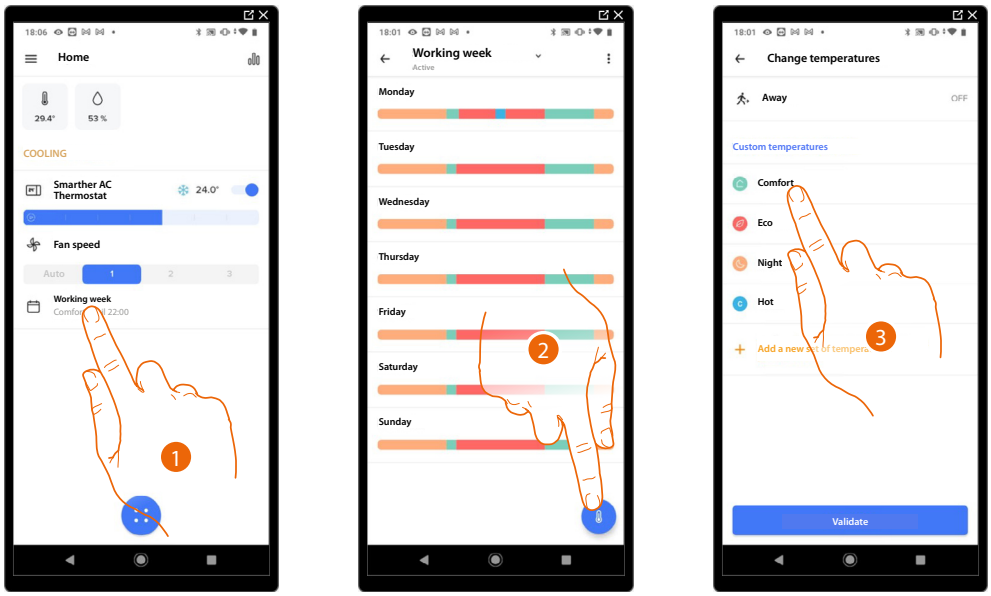
4. Touch to enter the customised set point
5. Touch to add a set point
6. Customise the name
7. Scroll to select the temperature



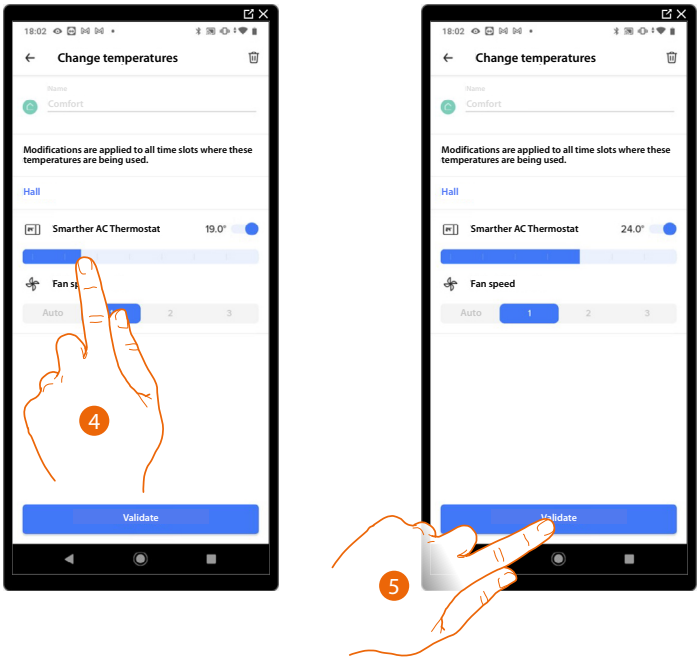
8. Touch to confirm
9. Touch to confirm

Change a set point

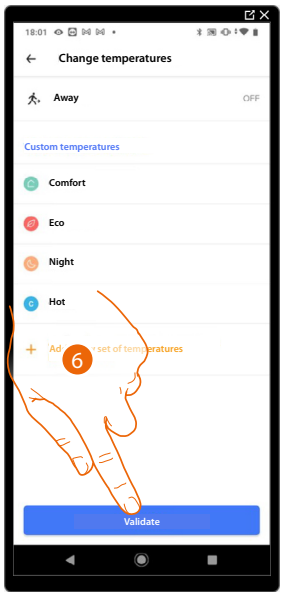
This function allows to change the temperature of an existing set point.
E.g. 2°C increase of the comfort set point, which therefore goes from 19°C to 24°C



1. Touch to enter the Programs section
2. Touch to change the set point temperature
3. Select the set point for which you want to change the temperature



4. Scroll to select the desired temperature
5. Touch to confirm the modified set point



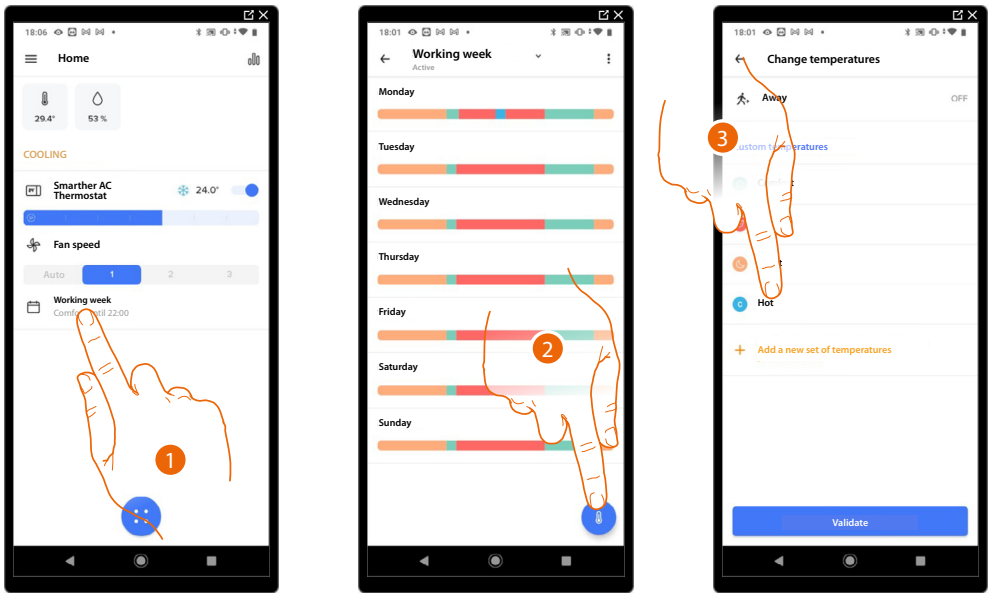
6. Touch to confirm the modification of the set point

Delete a set point

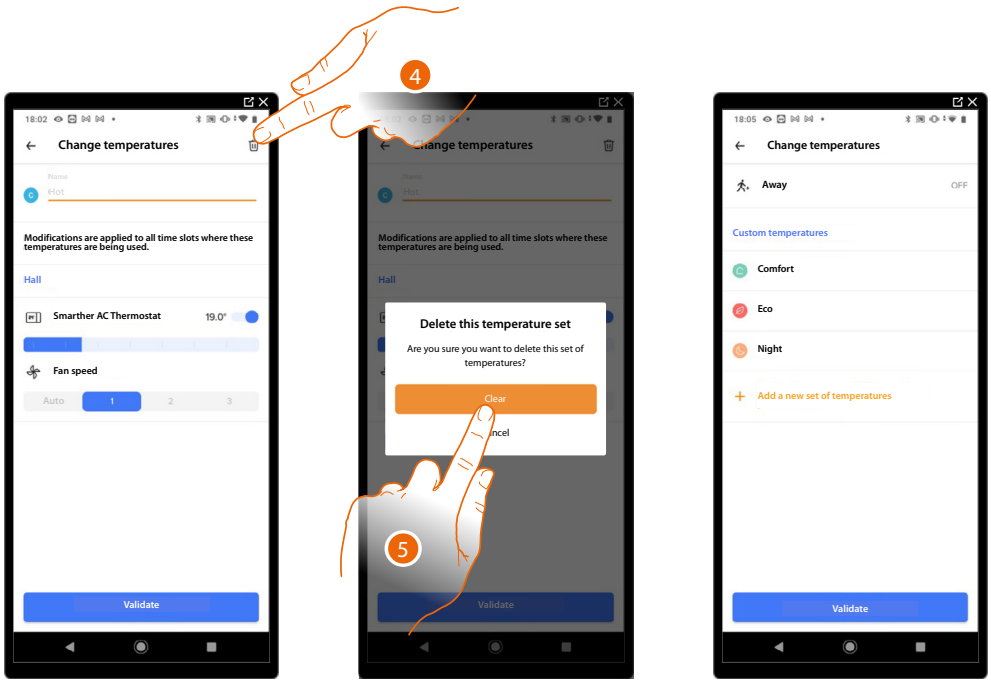
This function allows to delete the created set point.

***NOTE**: Set points cannot be deleted by default (Comfort/Eco/Night).*

***NOTE**: Only set points not appearing in a program can be deleted.*
Set points appearing in a program can only be deleted after being deleted from the programs for the individual days.



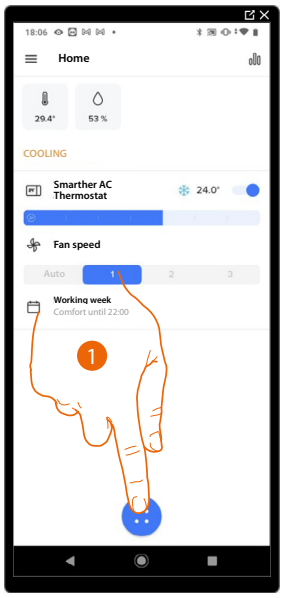
1. Touch to enter the Programs section
2. Touch to display all the available set points for the selected program
3. Select the set point to delete

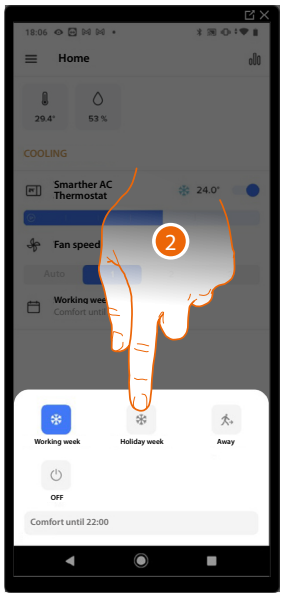


4. Touch to permanently delete the set point
5. Touch to confirm

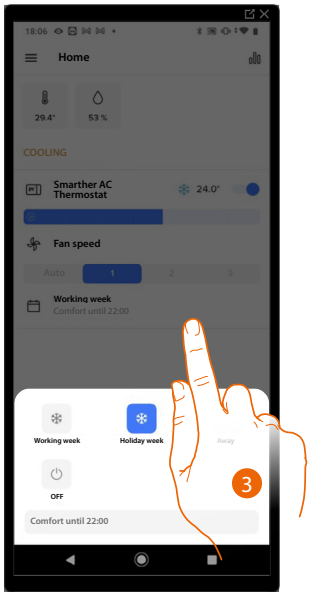
Activate a program

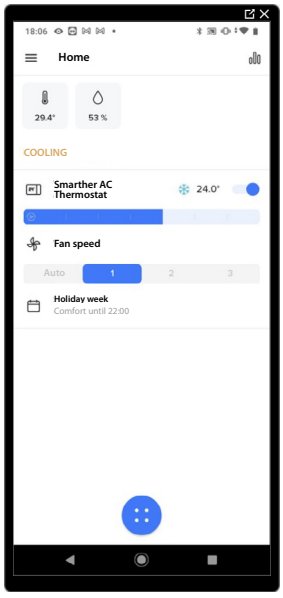
After creating the programs you must activate the one you want





1. Touch to open the Schedules menu
2. Select the program to activate



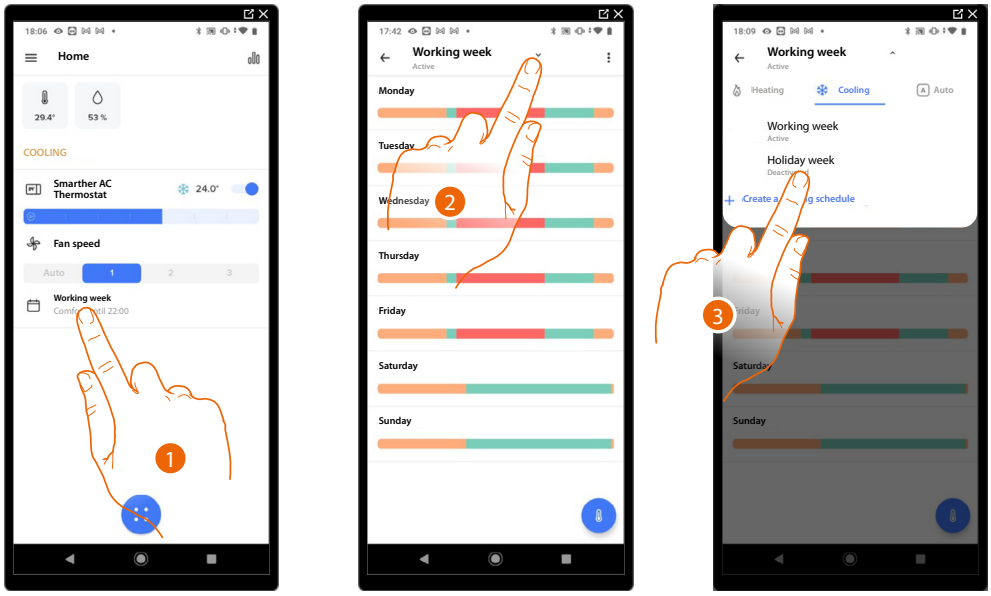


3. Touch to close the Schedules menu.

The program is now active

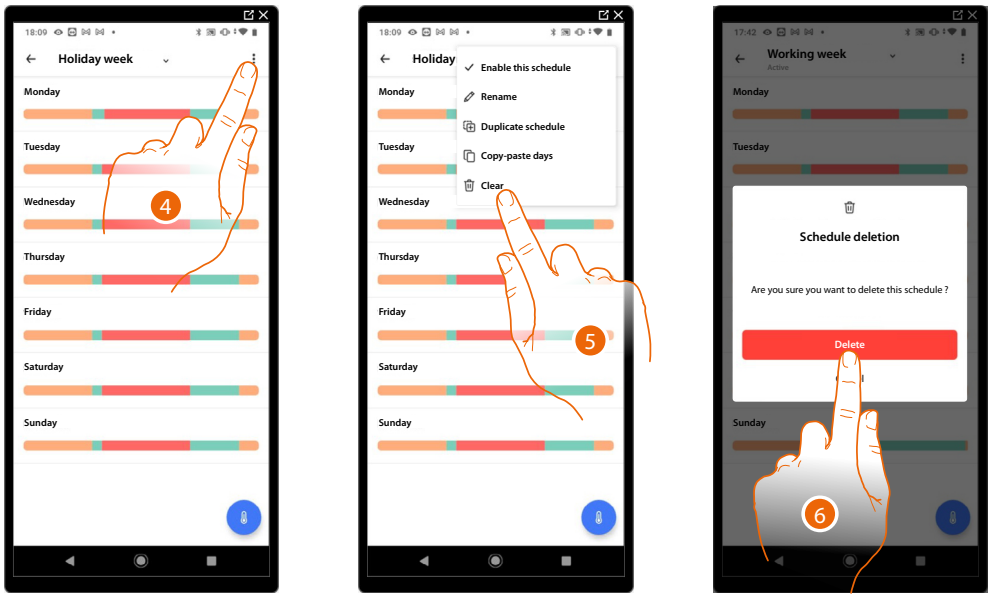
Delete a program

This function gives the possibility of definitively removing an existing program.



1. Touch to access the Programs section
2. Touch to select on of the available programs
3. Select the program to delete

***NOTE**: Active programs cannot be deleted.*



4. Touch to delete the program
5. Delete the program
6. Touch to confirm the program deletion

Example of creation of a new program from an existing one

It is possible to change a program defining the various parameters which make up the program (temperature levels, time intervals and days of application) specifically and in a totally free way. Let's now see how we can change an existing program so that it includes the following settings:

– away from home for one week;

– change the profile on Wednesday, the day when the maid will visit;

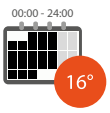
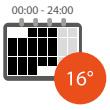
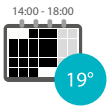
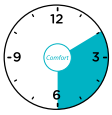
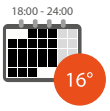
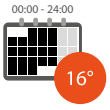
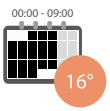
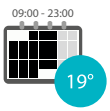
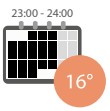
– guarantee optimum temperature upon return.

A from **00:00** on Sunday to **14:00** on Wednesday the temperature must be set to the "Eco" setpoint (OFF)

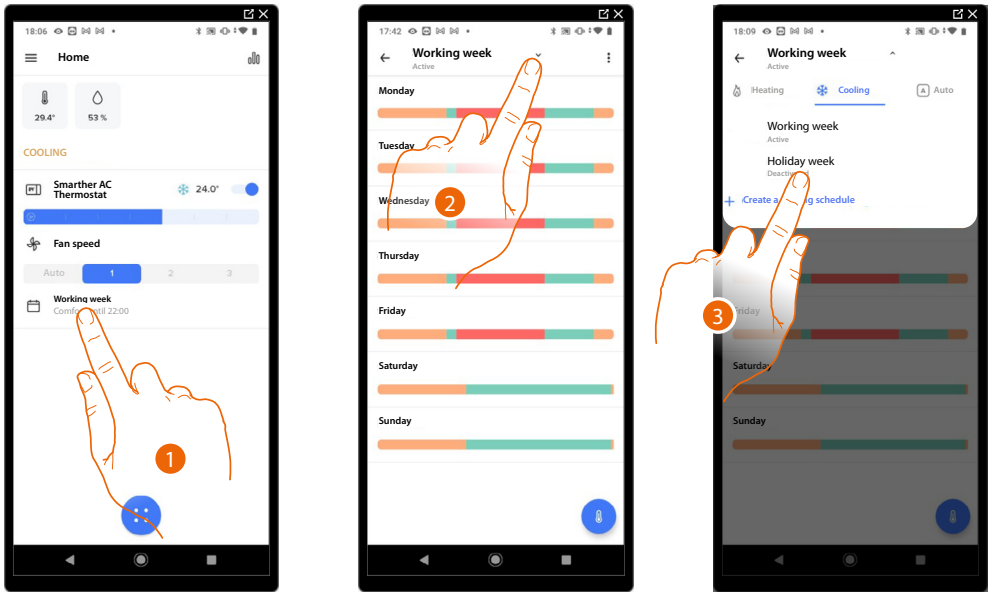
B from **14:00**, on Wednesday to **18:00** on Wednesday the temperature must be set to the "Comfort" setpoint (24°C)

C from **18:00** on Wednesday to **23:45** on Friday the temperature must be set to the "Eco" setpoint (OFF)

D Saturday follows the same temperature of the existing program

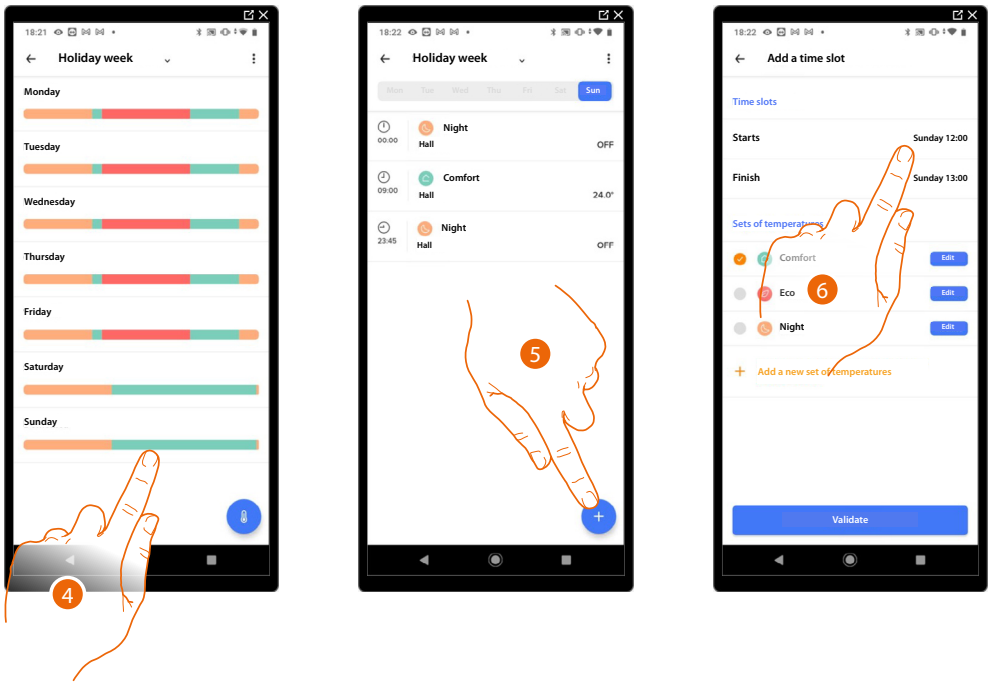
Sunday						
Monday						
Tuesday						
Wednesday						
Thursday						
Friday						
Saturday						

In order to create a new program meeting the previously described conditions, duplicate the existing program and then customise it:



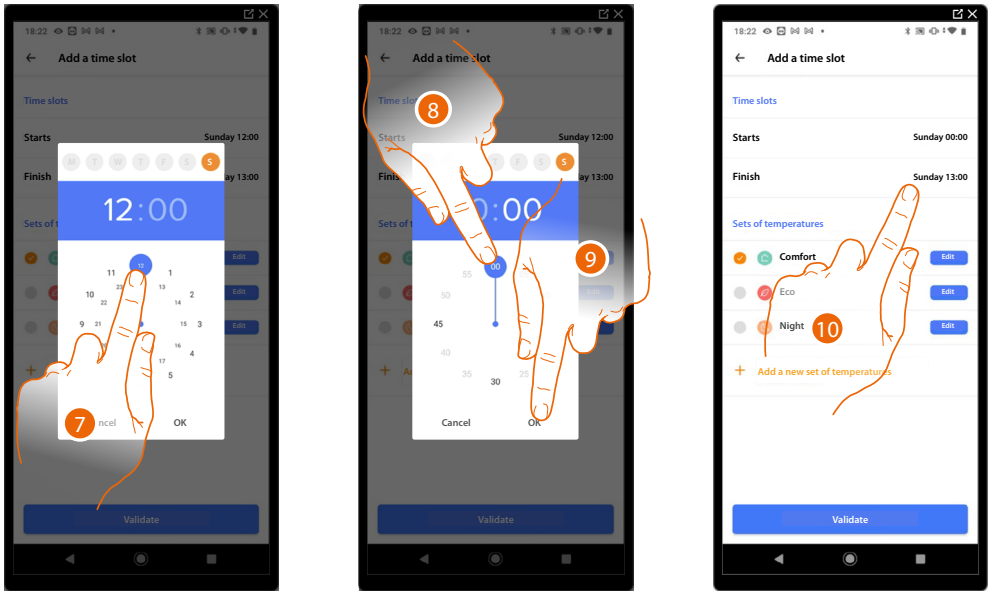
1. Touch to access the Programs section
2. Touch to select the program to change
3. Select the program to change

A From 00:00 on Sunday to 14:00 on Wednesday set the temperature to the "Eco" setpoint (OFF)

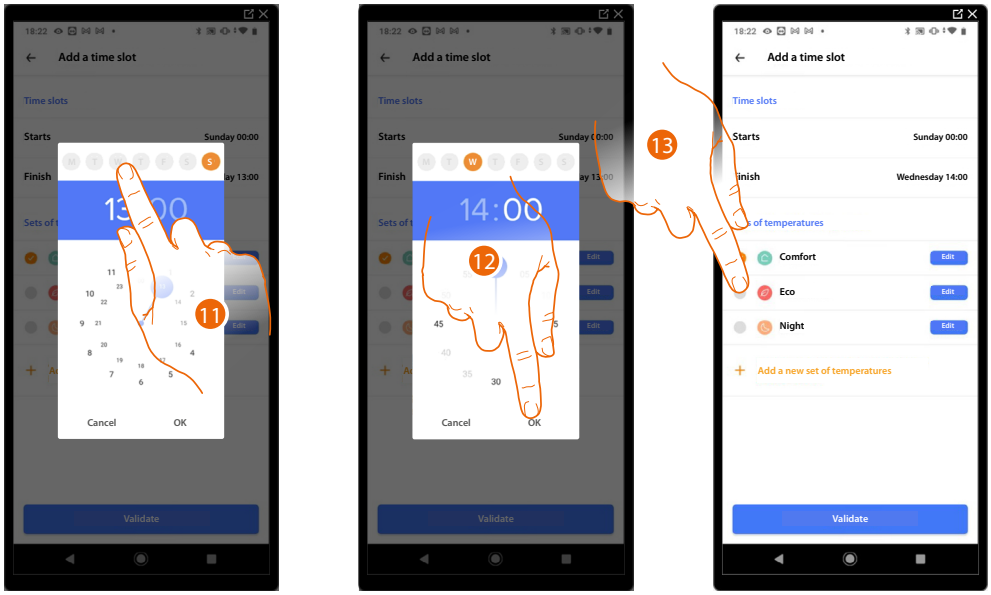


4. Touch the day of the week
5. Touch + to enter the start and end times for the first interval*
6. Touch to select the interval start time

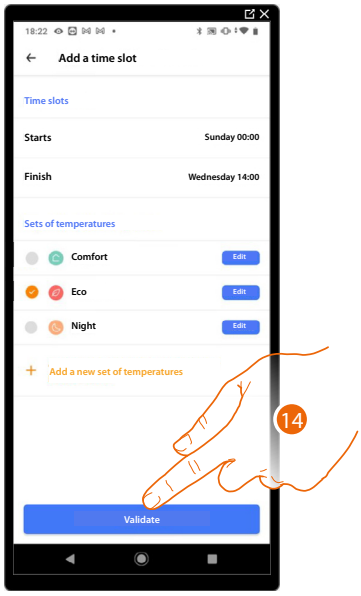
***NOTE:** It is possible to enter up to 8 intervals in a single program*



7. Select the interval start hour
8. Select interval start minutes
9. Touch to confirm
10. Touch to select the interval end date and time

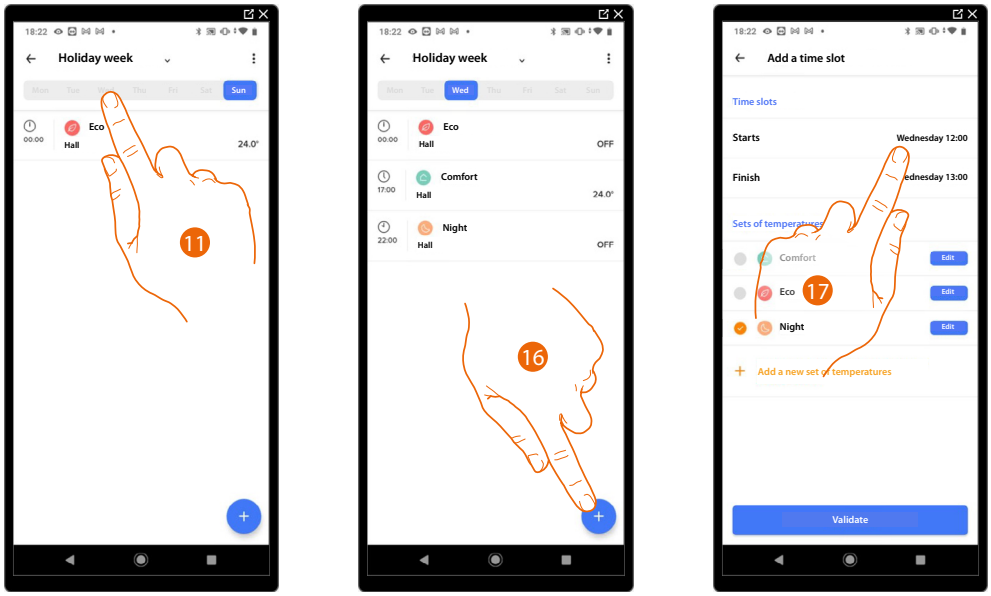


11. Select the interval end day
12. Select the interval end hour and minutes and confirm
13. Select the temperature set point to use for the days and times just created

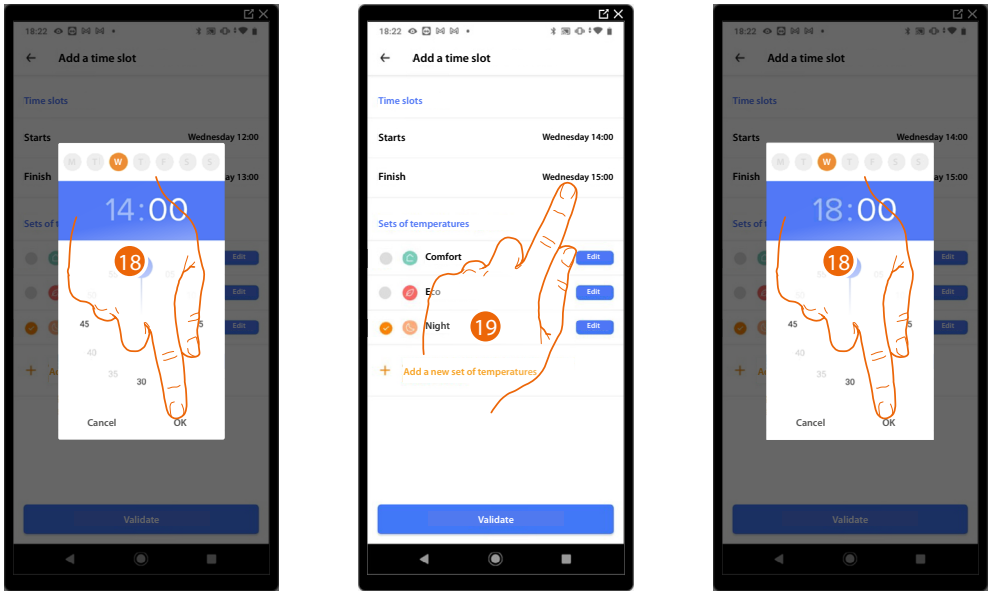


14. Touch to confirm

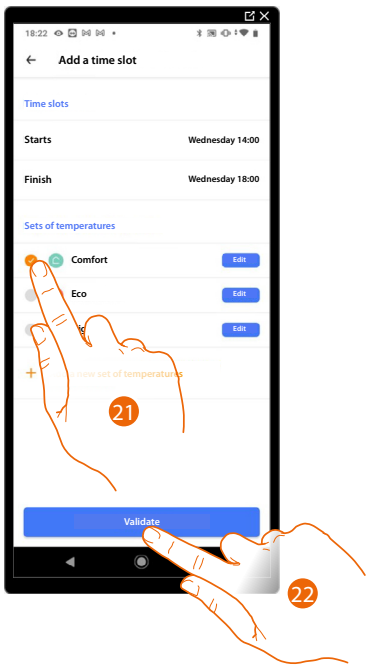
B From 14:00 on Wednesday to 18:00 on Wednesday set the temperature to the "Comfort" setpoint (24°C)



15. Select the day of the week when the maid will visit
16. Touch + to enter the start and end times for the second interval
17. Touch to select the interval start time

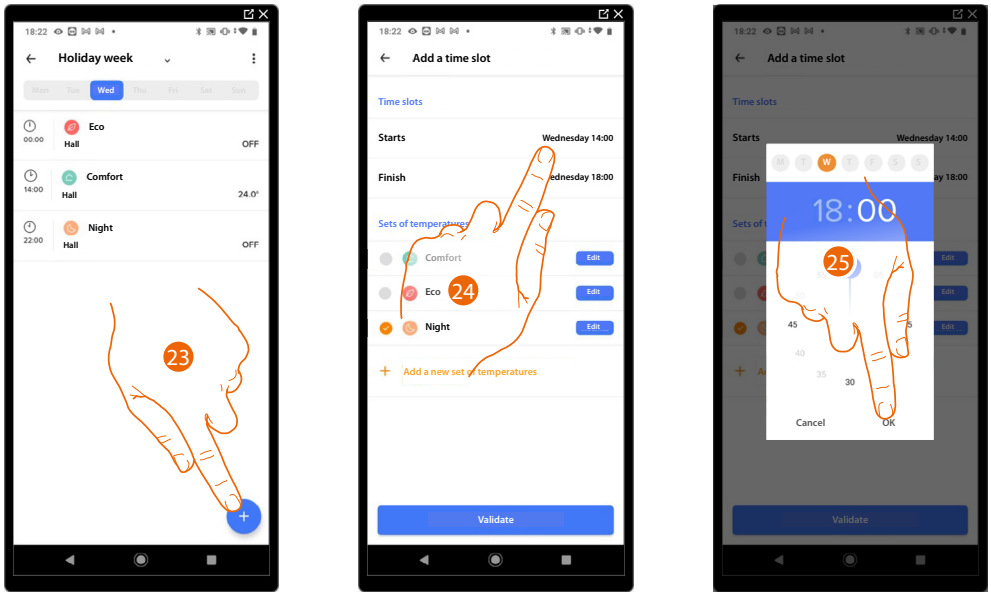


18. Select the interval start hour and minutes and confirm
19. Touch to select the interval end time
20. Select the interval end hour and minutes and confirm

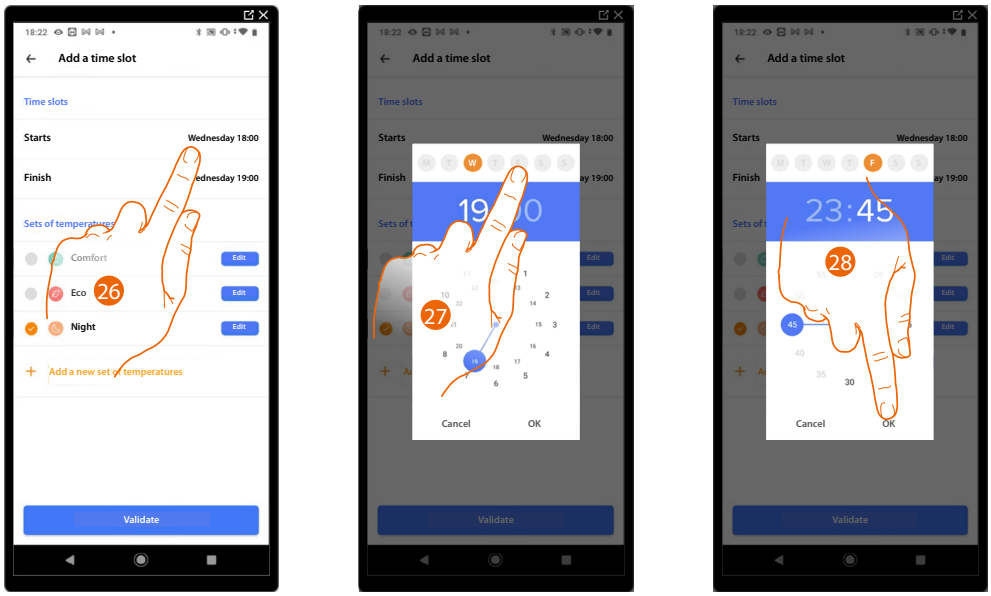


21. Select the temperature set point to use for the days and times just created
22. Touch to confirm

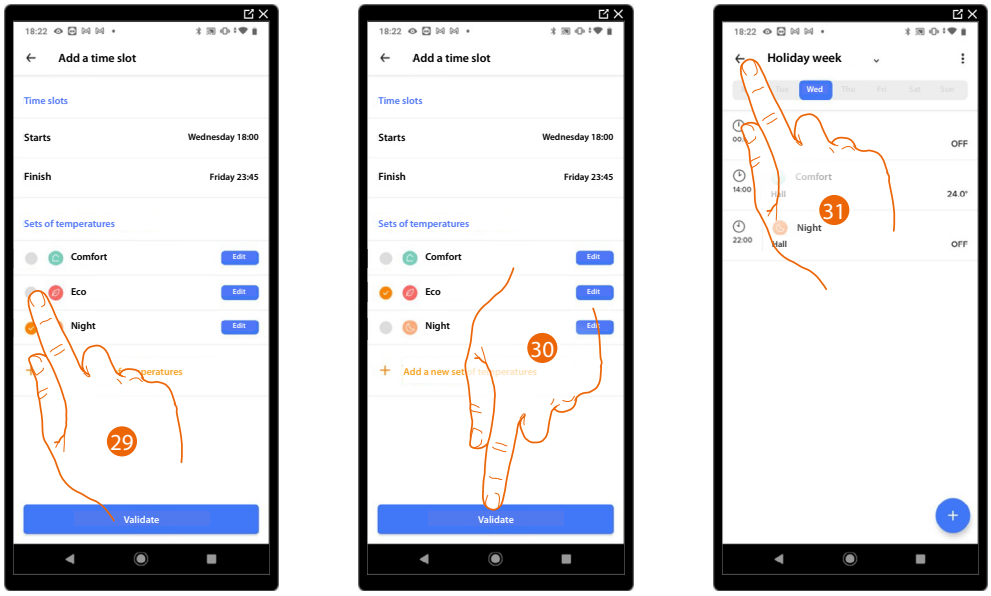
C *From 18:00 on Wednesday to 23:45 on Friday set the temperature to the "Eco" setpoint (OFF)*



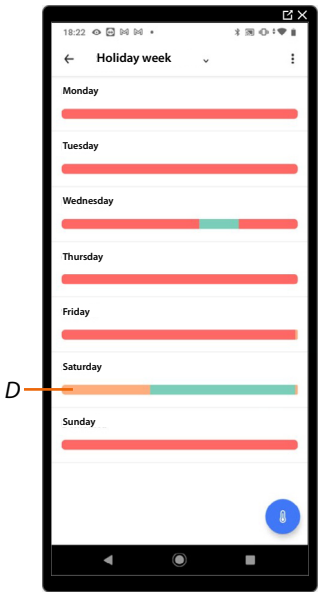
23. Touch + to enter the start and end times for the third interval
24. Touch to select the interval start time
25. Select the interval start hour and minutes and confirm



26. Touch to select the interval end date and time
27. Select the interval end day
28. Select the interval end hour and minutes and confirm



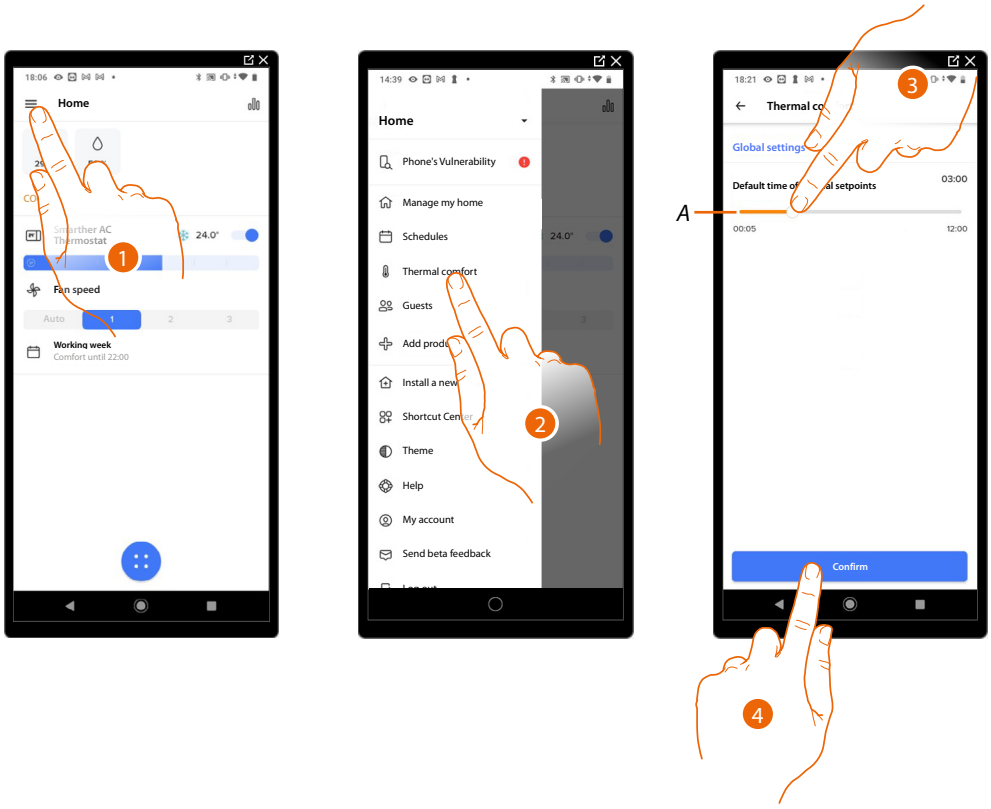
29. Select the temperature set point to use for the days and times just created
30. Touch to confirm
31. Touch to display the created week



D ***Saturday follows the same temperature of the existing program***

Thermal comfort

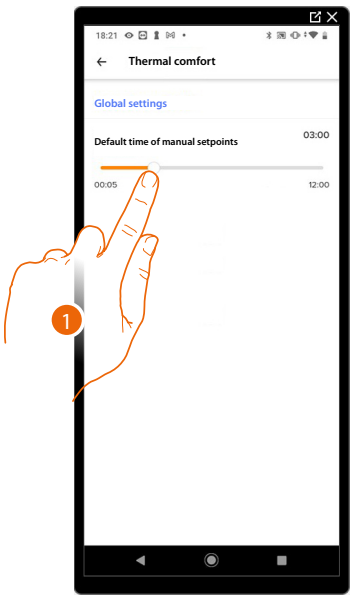
This section can be used to set some display parameters to improve the temperature comfort of the home



1. Touch to open the Settings menu
2. Touch to access the Thermal comfort page
3. Touch to modify the settings:
   A *Set the default time for manual temperature*
4. Touch to confirm

Default time for manual Temperature.

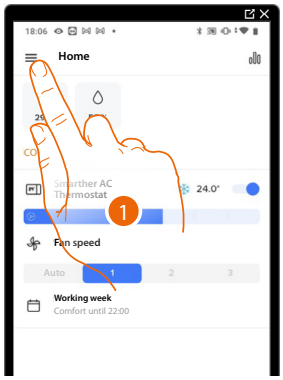
When setting the temperature manually, the user is asked how long to keep the settings. Here it is possible to set the default value.



1. Scroll to set the default time during which the temperature manual setting function will remain active.

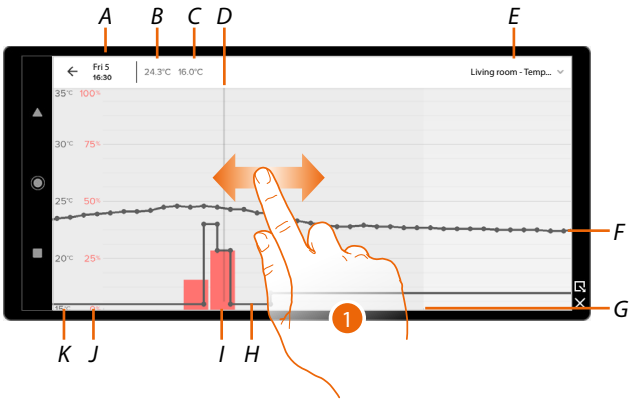
Charts

This section can be used to display the charts relating to data collected by the Smarther AC regarding temperature values, system on/off and humidity.



1. Touch to access the graphic page

Temperature chart



A Reading date/time
B Reading the measured temperature
C Reading the programmed temperature
D Reading indicator
E Selection of temperature/humidity charts
F Curve of the measured temperature
G Time bar (date/time) (only fancoil Actuator)
H Curve of the programmed temperature
I System start-up percentage value chart for the period (readable on red scale).
Blue = air conditioning
Red = heating
J System start-up percentage value chart
K Temperature value chart
1. Scroll to display the values detected near the reading bar

In the example shown, the following data were collected at 8:15 a.m. on Wednesday 3rd:

– Measured temperature 24.3 C°

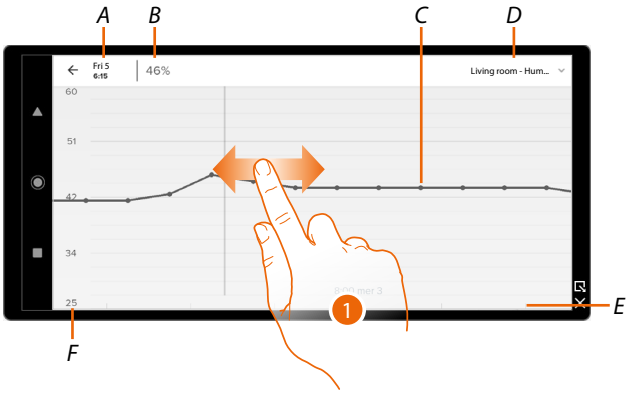
– Programmed temperature 16C°

– Heating system on about 28% of the time

The icon indicates the activation of the Boost function.
It is possible to use the pinch function to zoom in the recorded data.

NOTE: *Due to the zoom level set, some parameters may not be displayed. Zoom in or out using your fingers.*

Humidity chart



A Reading date/time
B Reading the humidity
C Curve of the measured humidity
D Selection of temperature/humidity charts
E Time bar (date/time)
F Humidity value bar

1. Scroll to display the values detected near the reading bar

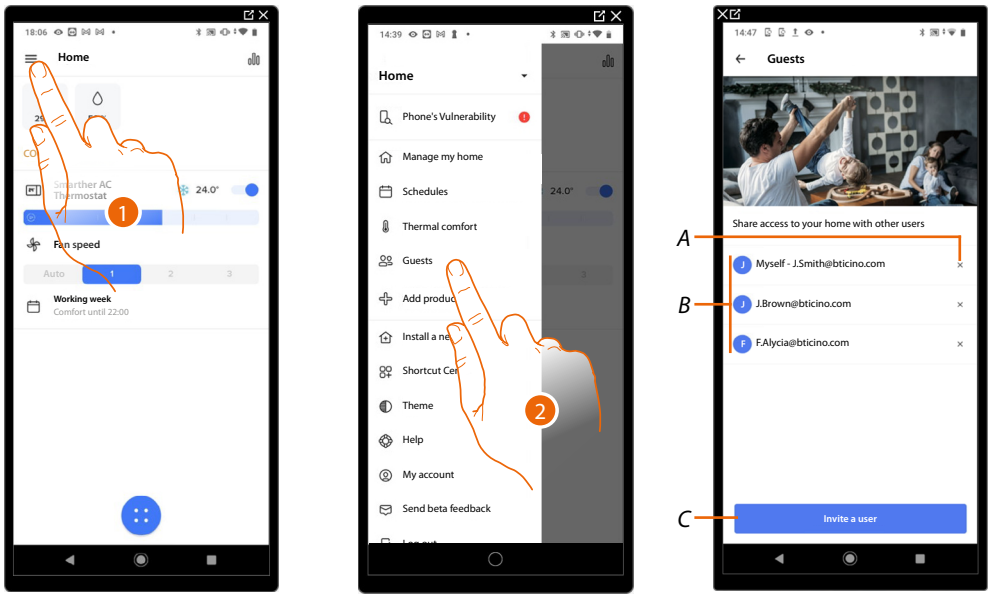
In the example shown, the following data were collected at 6:15 a.m. on Wednesday 3rd:

– Humidity 46%

Manage my guests

In this section, it is possible to display the users who can interact with your home, invite new ones or if necessary delete them (the user will not be deleted, just the possibility of interacting with this home).

***NOTE**: If Home + Control includes several devices, the invited users will have the possibility of interacting with all of them.*



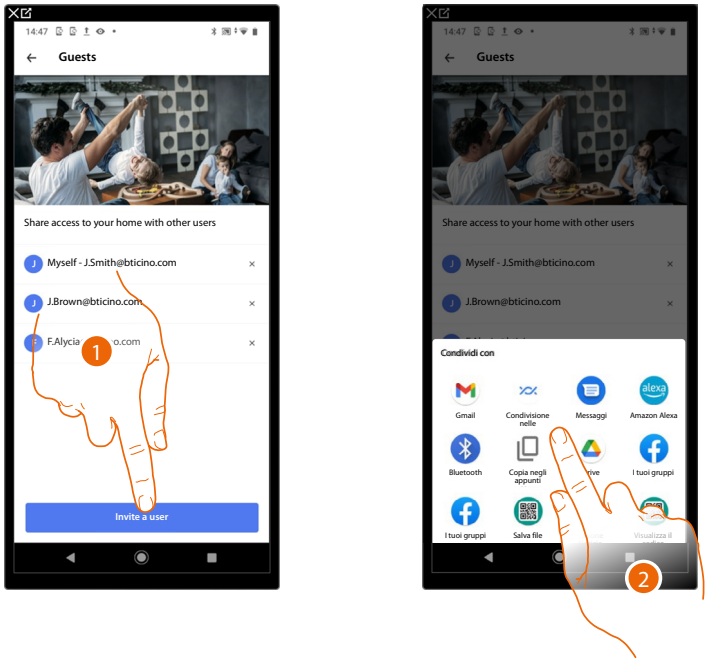
1. Touch to open the Settings menu
2. Touch to access the guest management page

A *Delete a user*

B *List of users*

C *Invite a user*

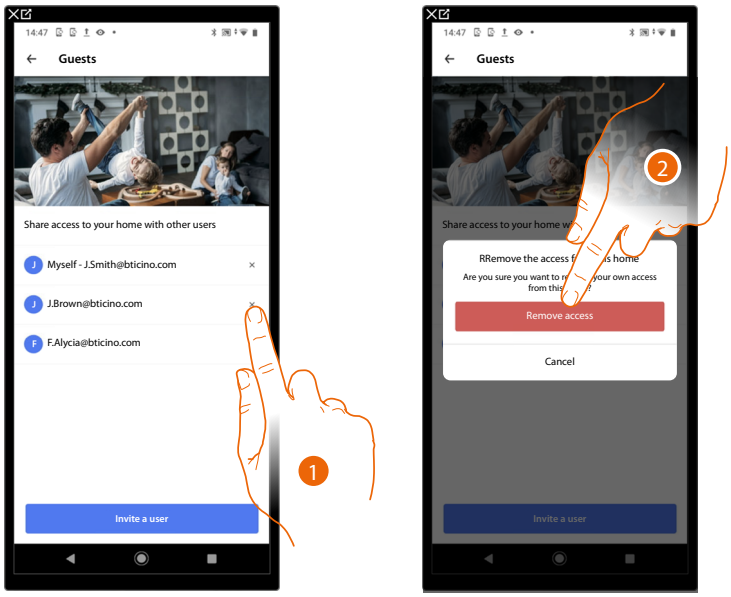
Invite a user



1. Touch to invite one or more people to control your home devices
2. Select how you want to send the invitation

Once the guests accept the invitation, register and access the App, they can be found in the list of enabled users.

Delete a user

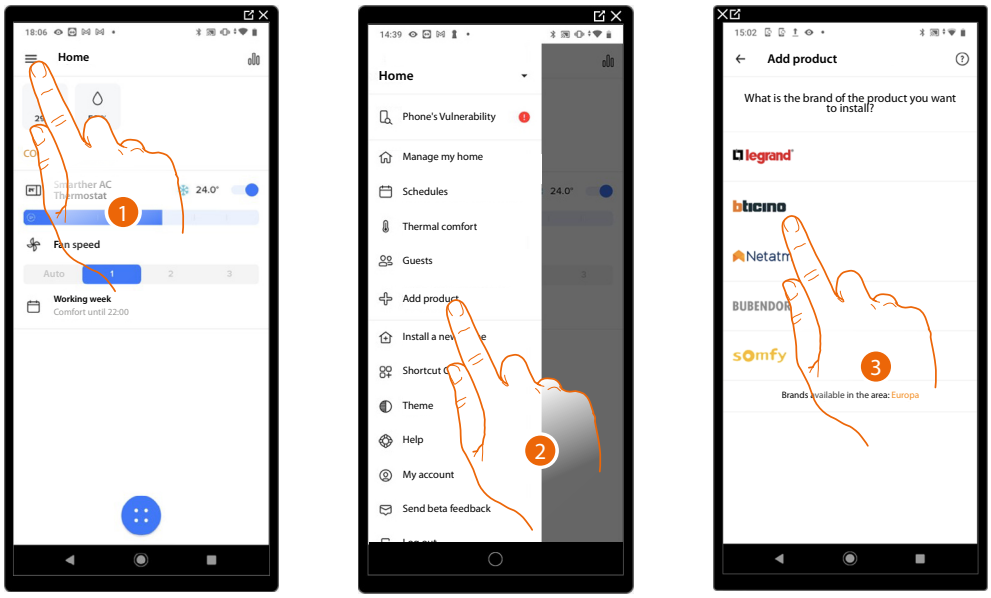


1. Touch to delete the user
2. Touch to confirm. The user can no longer control the home.

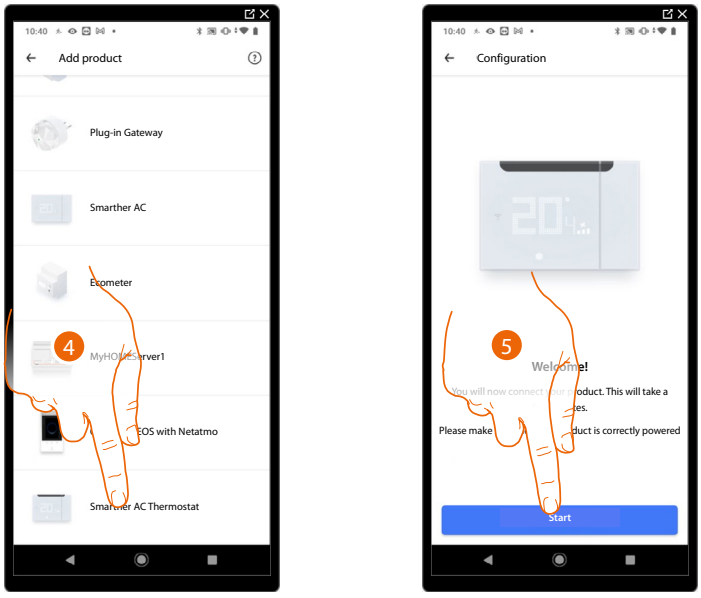
Add a product to this home

In this section, it is possible to add connected devices.
This procedure is necessary for both adding a new device and replacing and existing one

***NOTE**: The procedure below is only valid for adding or replacing a Smarther AC.*



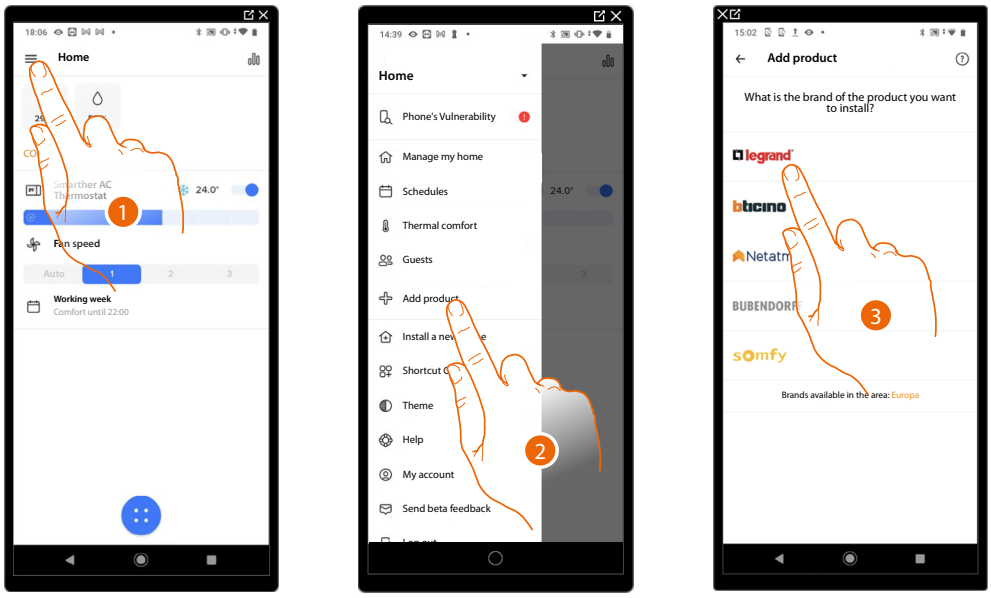
1. Touch to open the Settings menu
2. Touch to add a product into the home
3. Touch to select the brand of the product to install



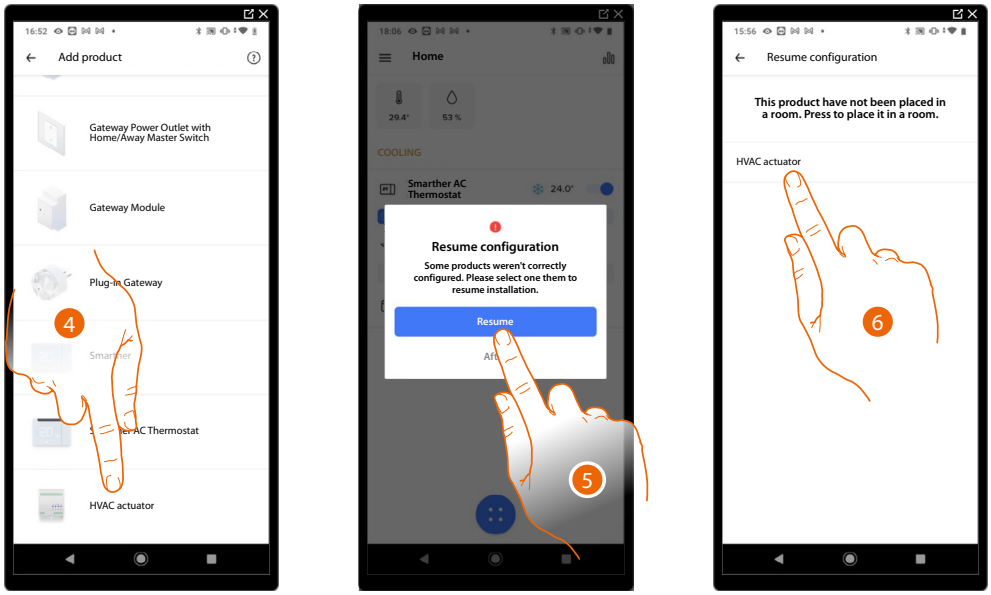
4. Touch to select the Smarther AC
5. Touch to start, see Associate your Smarther AC

Add a fancoil actuator

In this section, it is possible to add a fancoil actuator installed in the home in combination with the Smarther AC thermostat.
Before starting the procedure, it will be necessary to create a radio frequency network between the actuator and the Smarther AC itself; see "Creation of a radio frequency network using a smartphone with Android operating system" or "Creation of a radio frequency network using a smartphone with iOS operating system"



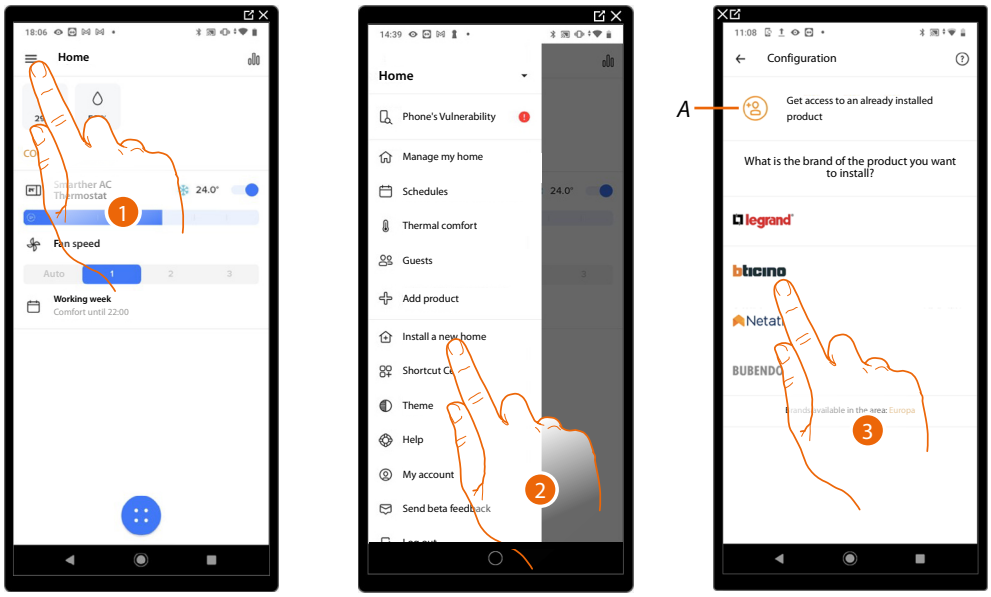
1. Touch to open the Settings menu
2. Touch to add a product into the home
3. Touch to select the brand of the product to install



4. Touch to select the fancoil actuator associated with the Smarther AC
5. Touch to resume/end the configuration
6. Touch to configure the fancoil actuator, see:
   – Association of the Smarther AC with a fancoil actuator (Radio Frequency) using a smartphone with Android operating system in step 28
   Or
   – Association of the Smarther AC with a fancoil actuator (Radio Frequency) using a smartphone with IOS operating system at point 35

Install a new home

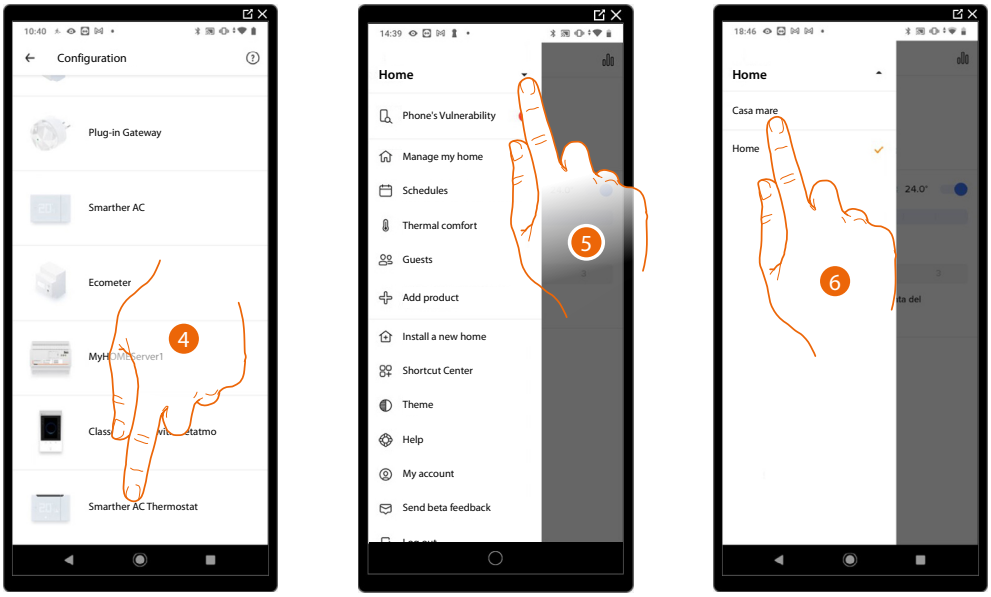
This function allows to install a new home associated with your account (e.g. Seaside home)



A Touch if you have been invited to manage the home by a user

1. Touch to open the Settings menu
2. Touch to install a new home
3. Touch to select the brand of the product to install

After installing a new home, it will be possible to select which home to display and control

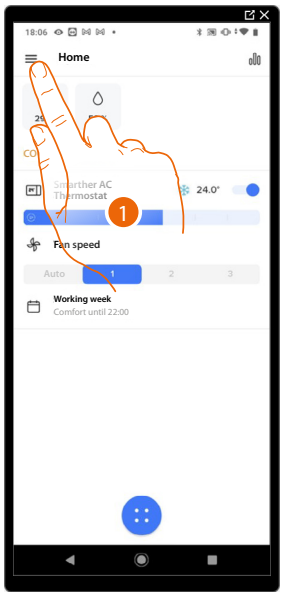


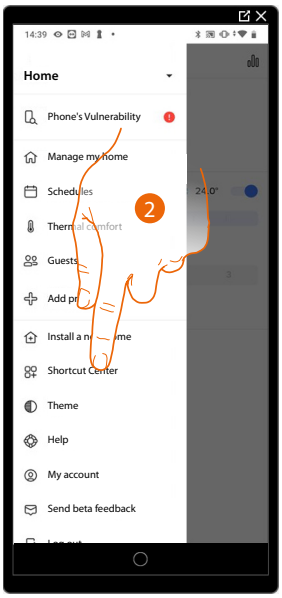
4. Touch to select the Smarther AC and complete the procedure described in the Associate your Smarther AC section
5. Touch to display the homes available
6. Touch to select the home to display and control

Quick selections

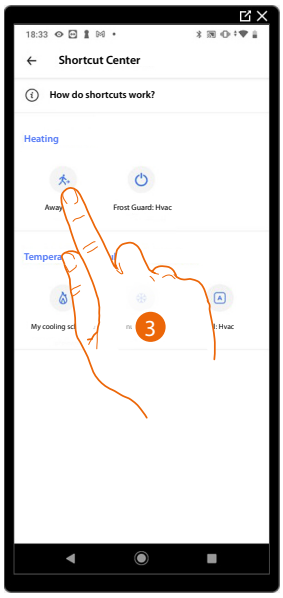
NOTE: This function is only available for devices with Android® operating system Android®

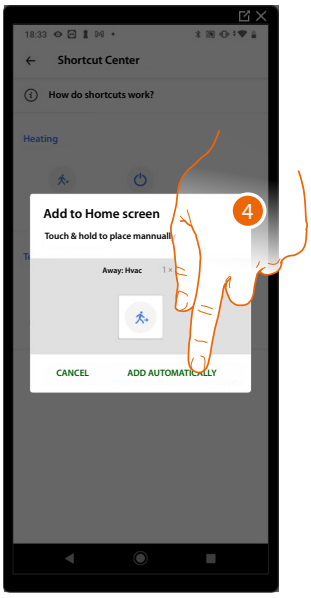
In this section, it is possible to add some shortcuts to the Home page of your smartphone, to allow quick access to certain tools (scenarios, schedules, etc.).



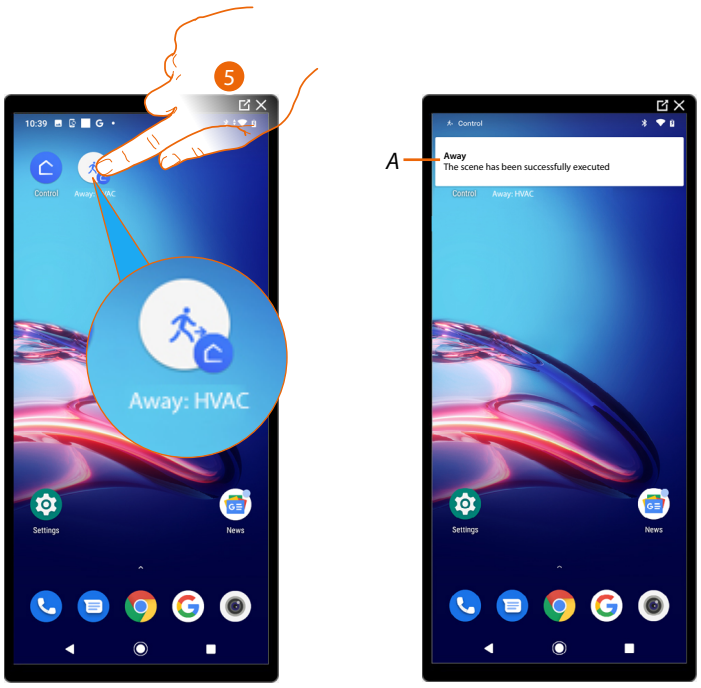


1. Touch to open the Settings menu
2. Touch to enter the Quick selections section





3. Select the type of quick selection to add to your smartphone Home page
4. Touch to add the shortcut to the Home page.
   Alternatively, press and hold the icon and drag it to the desired position in your smartphone

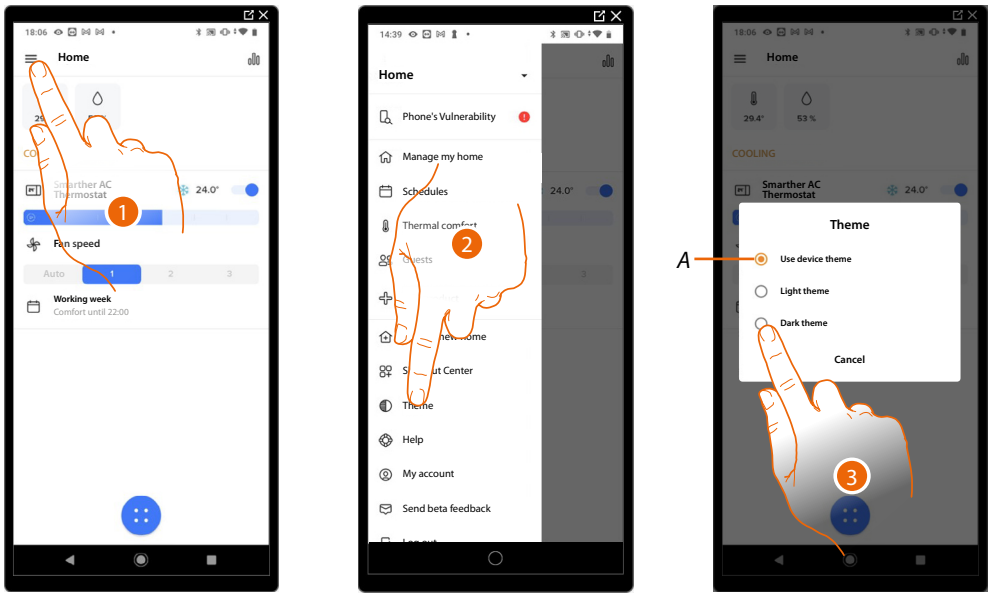


5. Touch to activate the quick selection

A *A notification confirms that the quick selection has been activated*

Theme

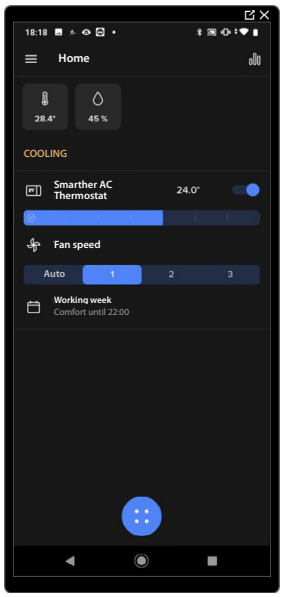
This section can be used to choose the theme of the App graphic interface.



1. Touch to open the Settings menu
2. Touch to enter the theme section

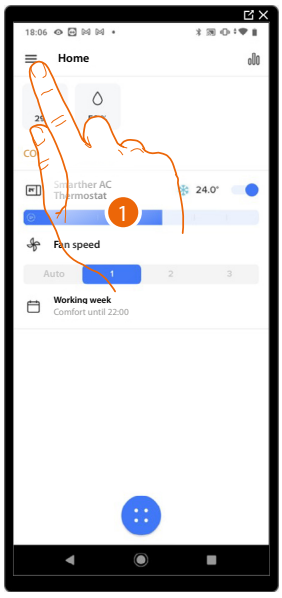
A *Use the same theme (light/dark) as your smartphone*

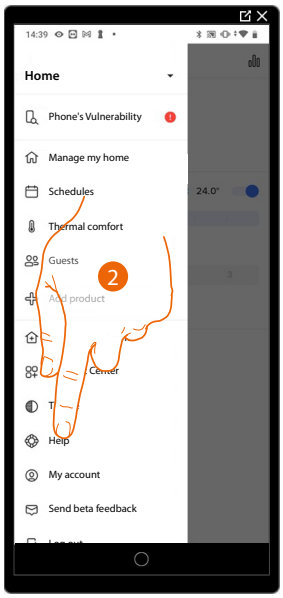
3. Touch to select the App graphic interface theme, either light or dark

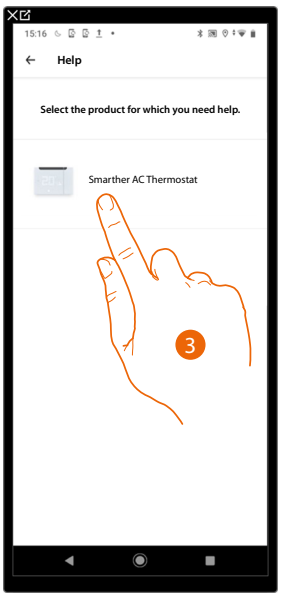


Help

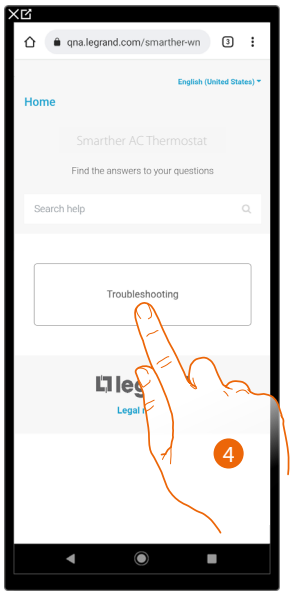
In this section, it is possible to display FAQ (and their answers) regarding the use of the Home + Control App.







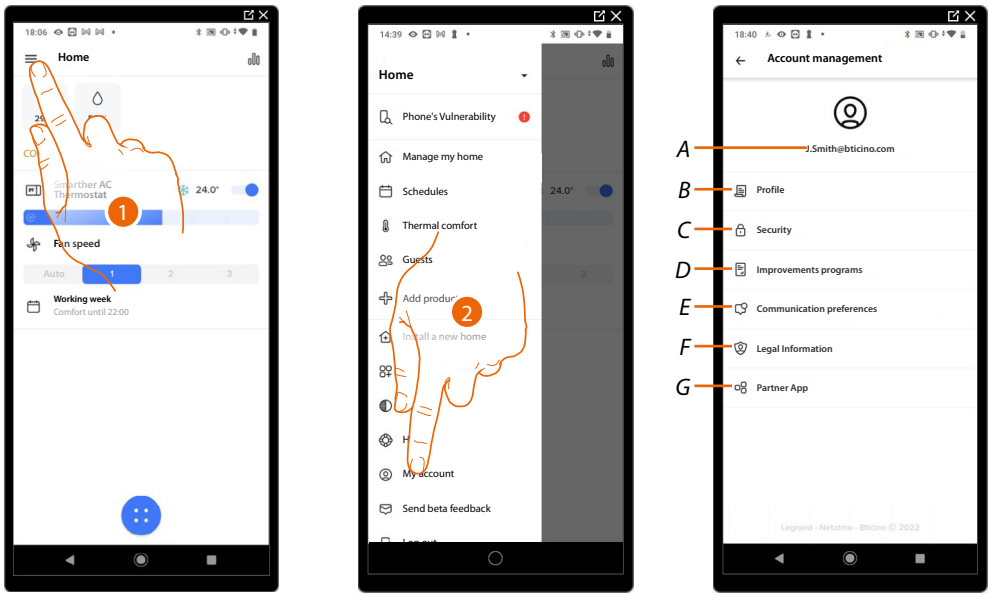
1. Touch to open the Settings menu
2. Touch to enter FAQ section
3. Touch to select the product for which you need help



4. Select the topic on which you require clarifications

My account

In this section, it is possible to view and display some functions regarding your account.



1 Touch to open the Settings menu

2 Touch to enter the account section

A Account Login/Email address

B Display/edit your Legrand account registration details

C Modify some safety parameters of your account, such as password and disconnection from all objects

D It authorises the sharing of data to help improve the product.

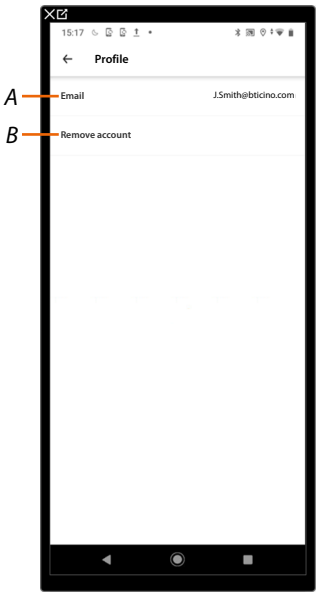
E Manage your communication authorisations and other aspects of your personal details

F View the terms and conditions of contracts relating to the Legrand Apps that you are using

G Manage the Partner Apps to which your account is linked (e.g. Google Home etc.)

Profile

This section may be used to change some data of the account currently managing the device, or to replace it with another registered Legrand account.

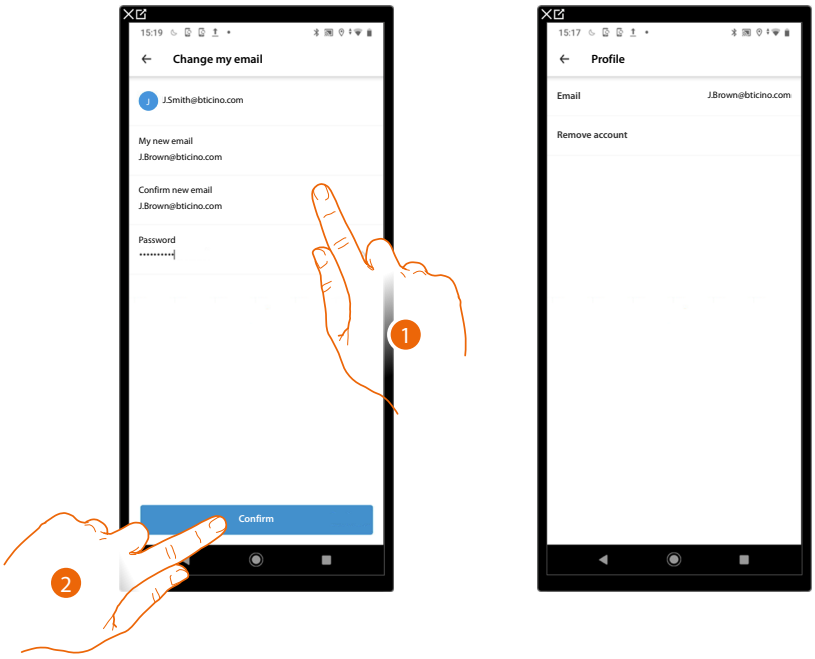


A Current email/account

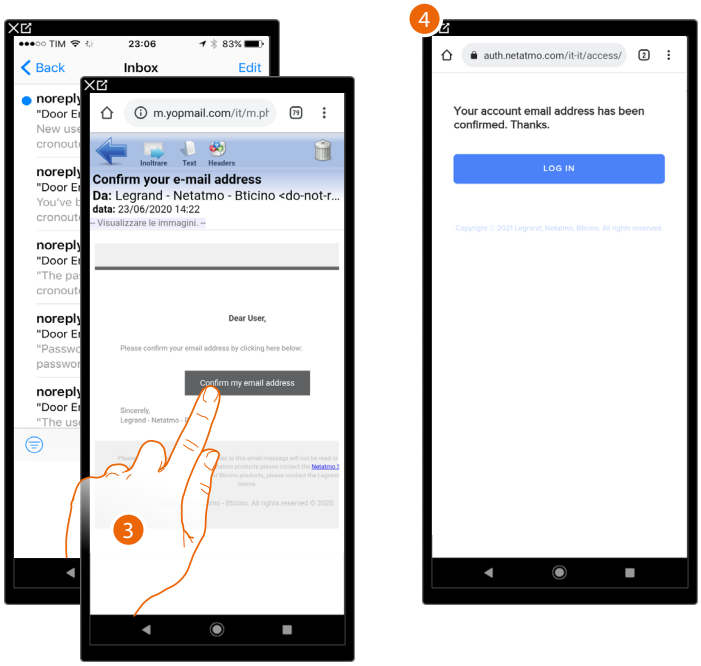
B Delete the account

Email/account (change of the device management email/account)

To change the access email address



1. Enter the login details (email and password) of the new registered Legrand account to be used to manage the device
2. Touch to confirm

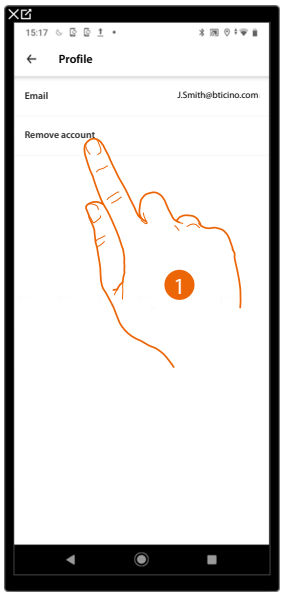


3. Touch the link in the email received from the system
4. The screen confirming the validation of the email address appears

Delete the account

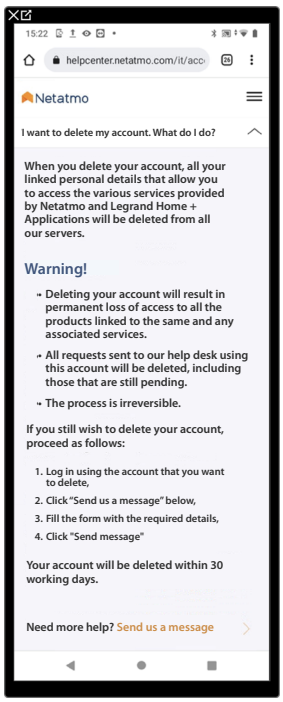
This section can be used to permanently delete your account, which can therefore no longer be used for the Applications to which it was associated.

***NOTE**: When deleting the account, all the data associated with the Applications will also be lost*



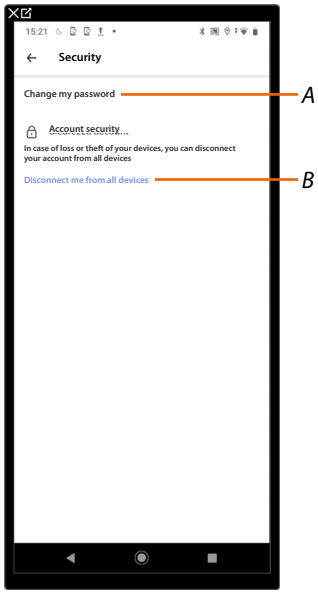
1. Touch to delete your account definitively

You will be redirected to a web page where you can complete the deletion of your account



Safety

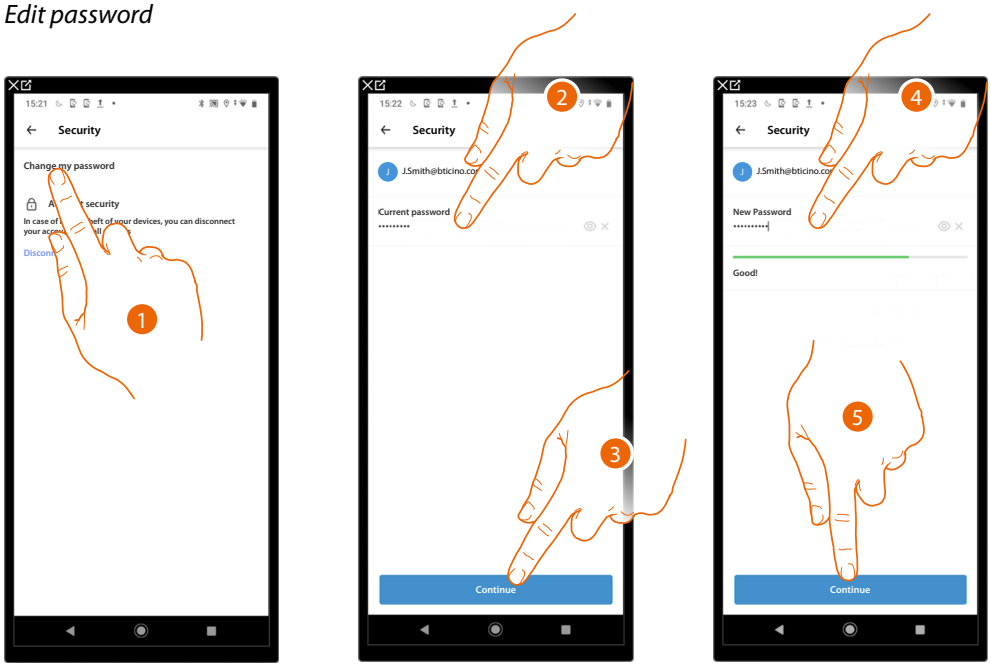
This section can be used to change the password of your account and to disconnect it from all devices. The disconnection of your account from all devices is useful in case one of your devices is lost or stolen.



A Completes the password edit procedure

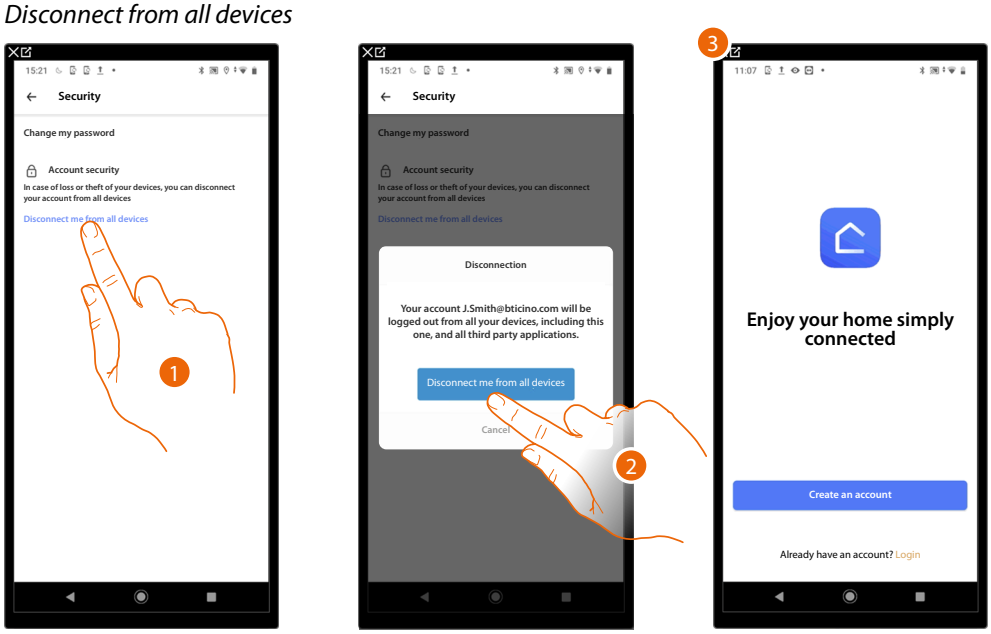
B Disconnects from all devices

Edit password



1. Touch to edit the password
2. Enter the current password
3. Touch to continue.
4. Enter the new password, which must meet the following requirements:
   – at least 8 characters;
   – at least one lower case letter (e.g. a);
   – at least one upper case letter (e.g. A);
   – at least one number (e.g. 1);
   – at least one special character (e.g. $);
5. Touch to confirm

Disconnect from all devices



1. Touch to activate the procedure
2. Touch to disconnect your account from all the devices and all the third-party applications.
3. The system automatically logs out from the application and the Home Page appears.

Improvement program

This section can be used to enable the sharing of the App usage data.



1. Touch to enable the sharing of the App usage data.

Communication preferences

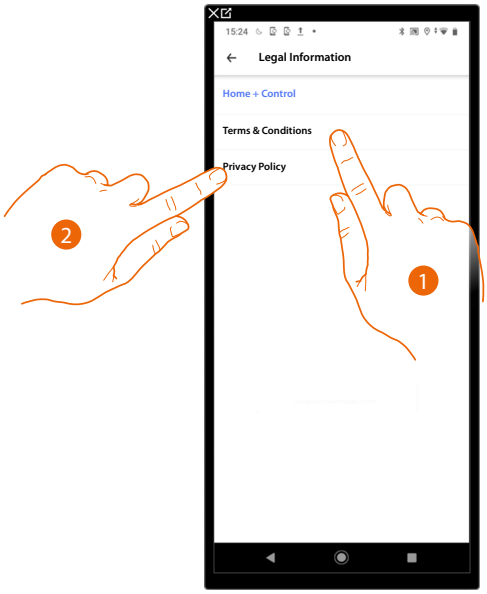
This section can be used to enable the reception of communications from Legrand



1. Touch to accept communications from Netatmo/Legrand/BTicino

Legal information

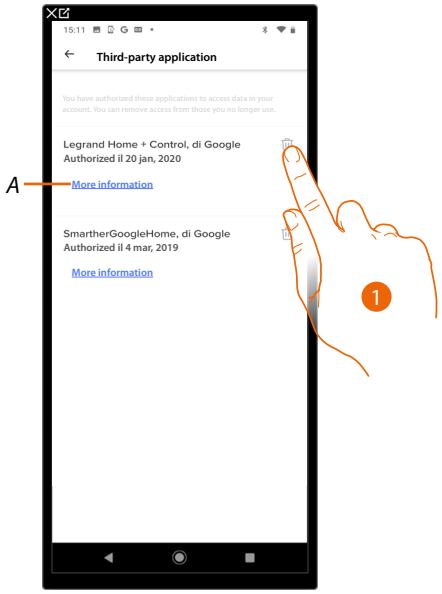
Using this section you will be able to view terms and conditions of use and privacy information for each App with which your Legrand account is associated



1. Touch to display Terms and Conditions
2. Touch to view Privacy information

Partner apps

In this section, you can display all the third parties to whom you granted rights to operate on your connected devices. (E.g.: HOMEKIT, Google home etc.)

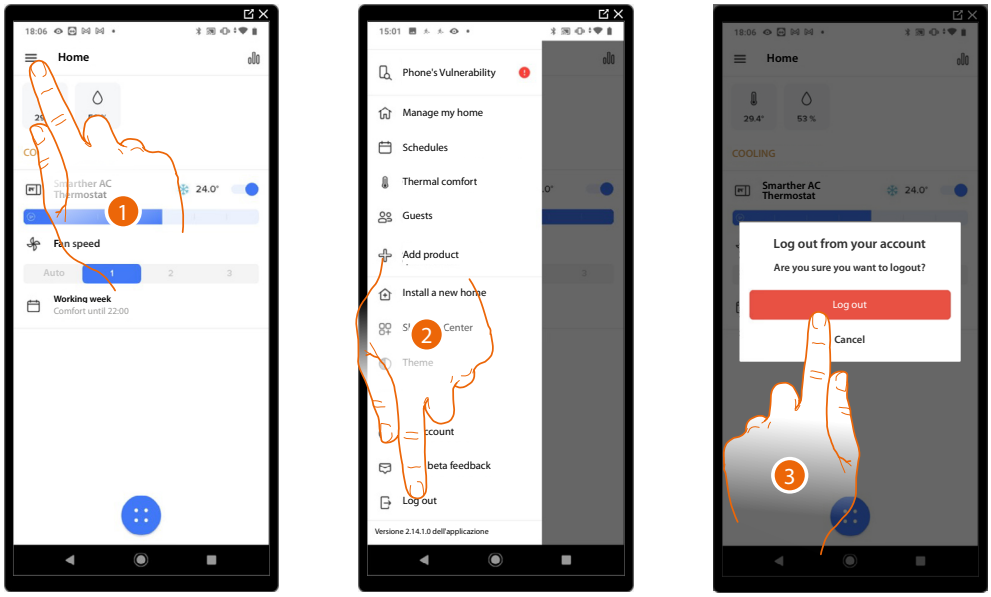


1. Touch to remove the authorisation to access your details for this application.

A Displays more information regarding the access to your home by partner Apps.

Logout

In this section, it is possible to log out from the Home + Control App

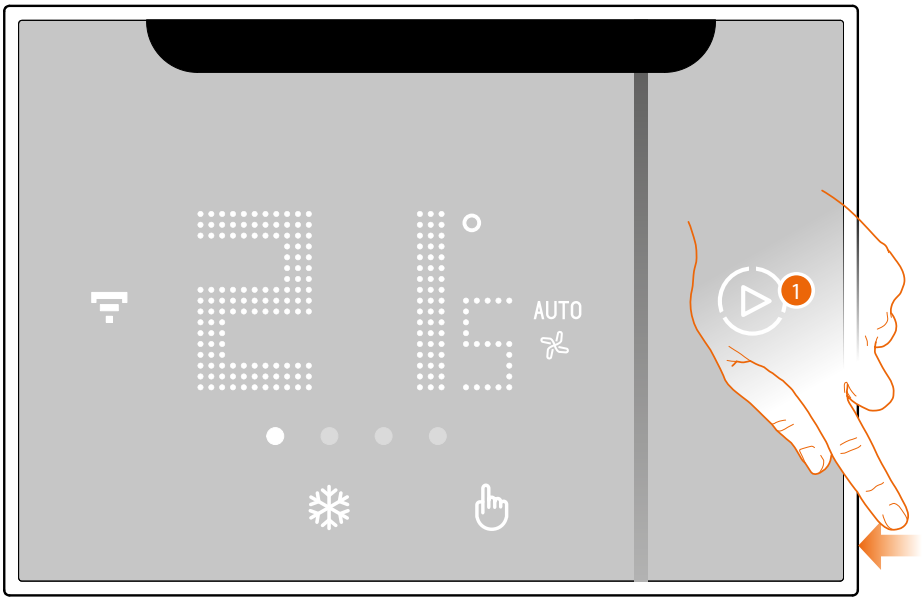


1. Touch to open the Settings menu
2. Touch to exit the App
3. Touch to confirm the intention to leave the App.
   The login screen will then be displayed

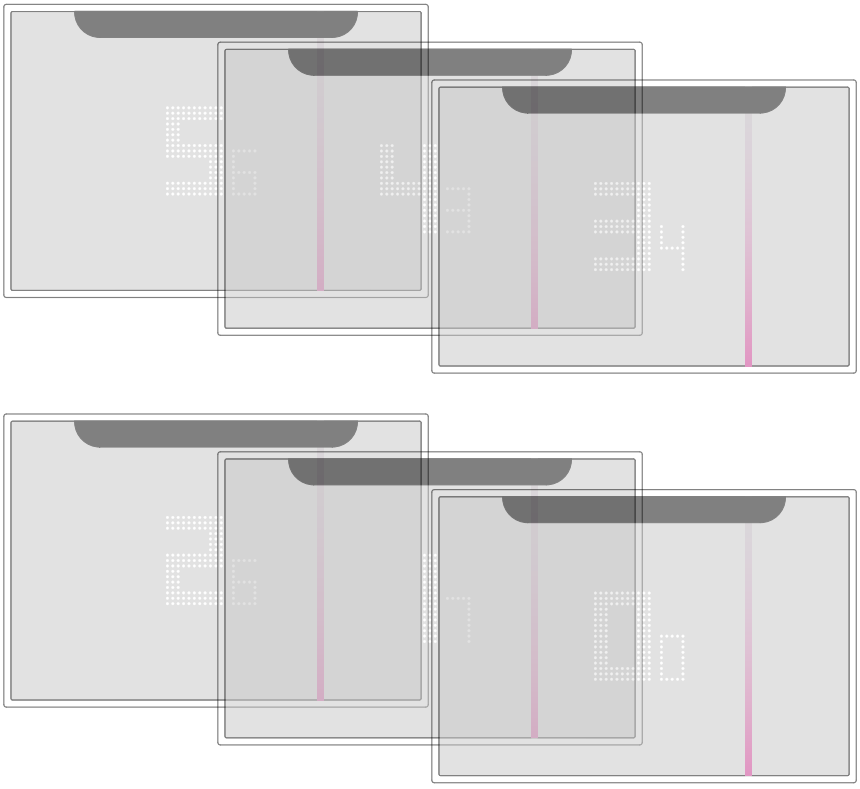
Reset

Resetting the Wi-Fi configuration and the HOMEKIT settings

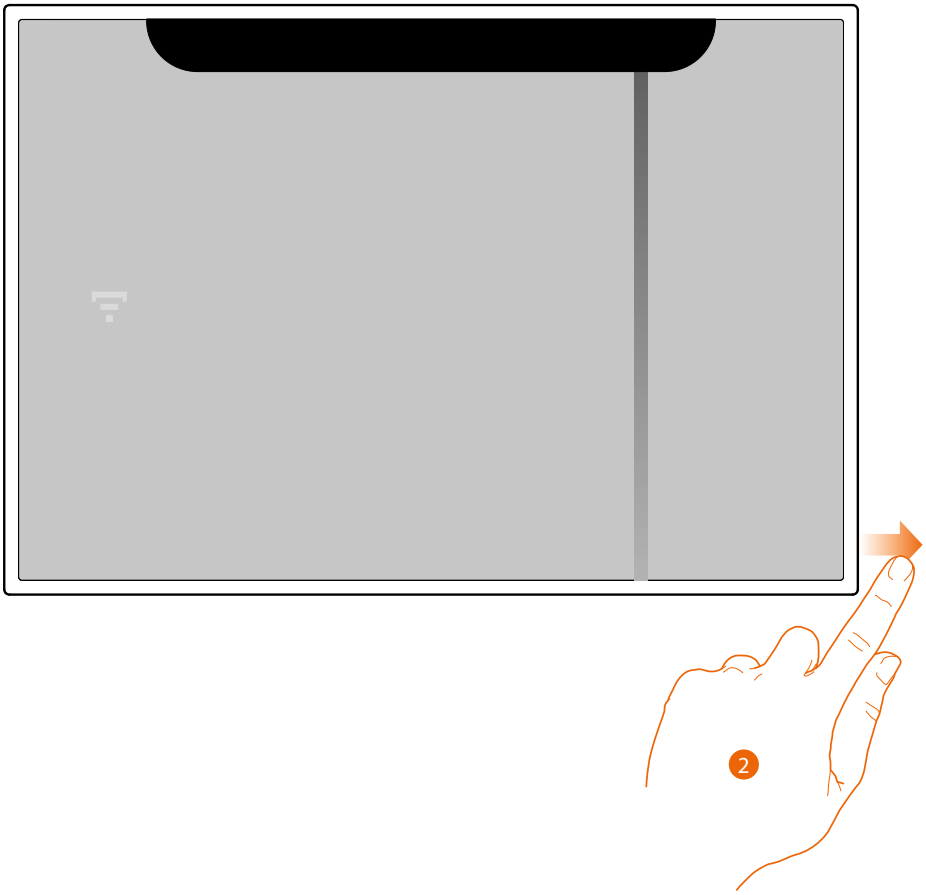
This action deletes the Wi-Fi configuration and the HOMEKIT settings



1. Keep pressed the reset pushbutton on the side of the Smarther AC
   A countdown will start (about 5 seconds) at the end of which you will hear a confirmation beep.

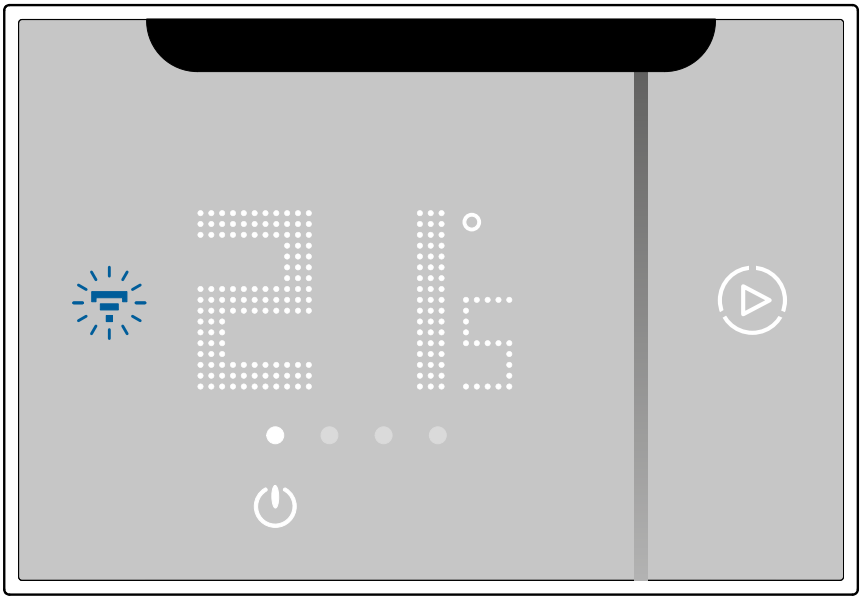


2. Release the reset pushbutton.



The display of the Smarther AC switches off

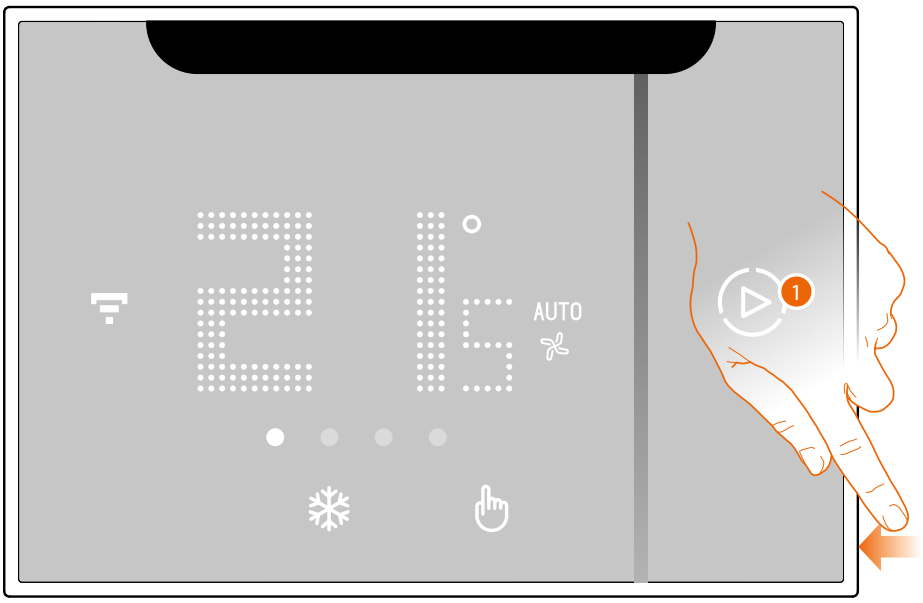
After a few seconds the Smarther AC comes back on. It is now possible to complete the association with Home + Control App using the procedure described in the Associate your Smarther AC section



Reset to the factory settings

***CAUTION**: It is possible to reset the factory settings (10" sec) only within 1 minute from switch on.*
To carry out this procedure after the time limit (1 minute from switch-on), switch off and then on again.

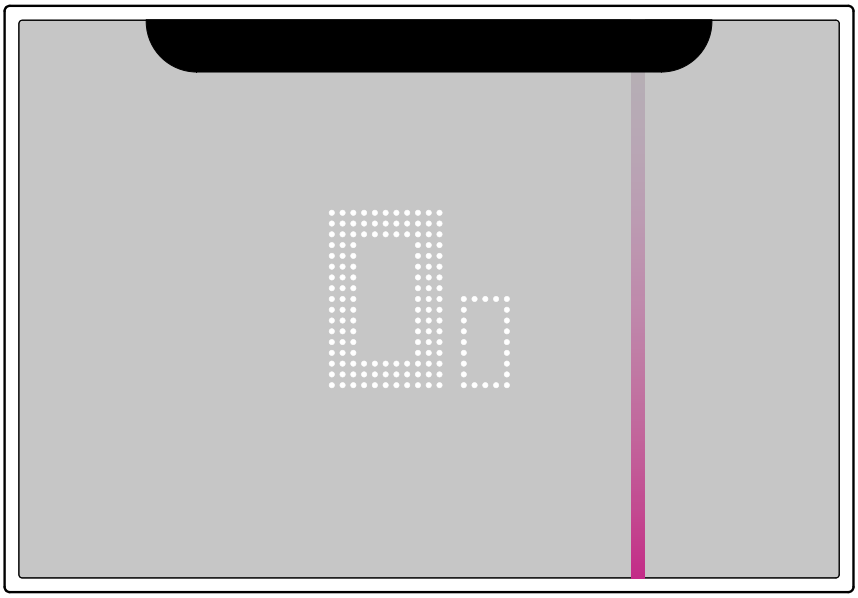
This action returns the Smarther AC to the factory settings: all programs and associations with the App, and therefore with the devices (IR air conditioning unit and fancoil actuators), will be lost



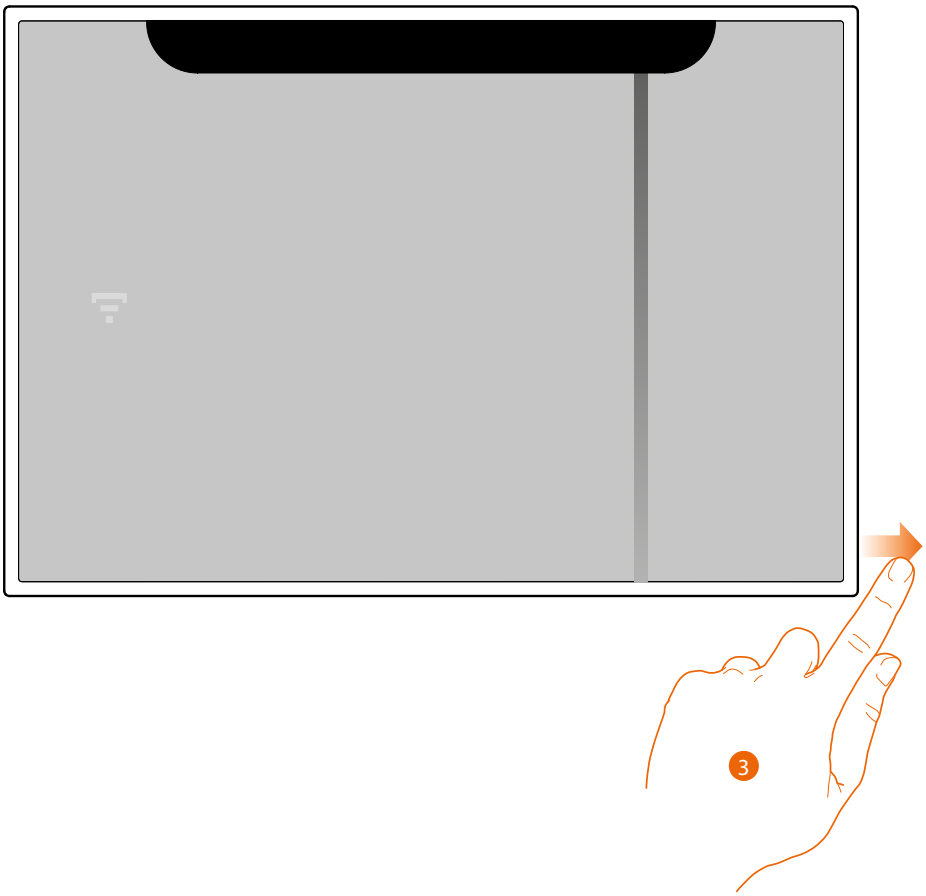
1. Keep pressed the reset pushbutton on the side of the Smarther AC
   A countdown will start (about 5 seconds) at the end of which you will hear a confirmation beep.



0.0 flashes on the Smarther AC display



until a confirmation beep is heard.

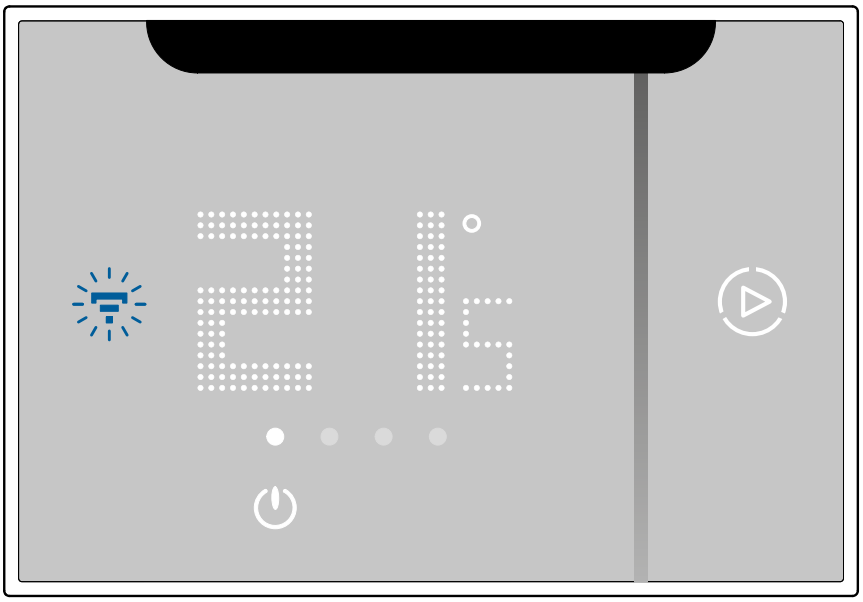


3. Release the reset pushbutton.

The display of the Smarther AC switches off

***NOTE**: in some cases the device reset can last up to one minute.*

After a few seconds the Smarther AC comes back on. It is now possible to complete the association with Home + Control App using the procedure described in the Associate your Smarther AC section



***CAUTION**: This type of reset also deletes the association with the Smarther AC, and therefore any existing associations with IR air conditioning units and fancoil actuators.*
This causes the deletion of the hydraulic data, the restoration of which will then require the intervention of the installer (device disassembly and reprogramming).

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