



WIFI GUIDEBOOK

SMARTPHONE APP CONTROL

Manage your heating system anywhere, anytime.



PELLET STOVE
ECOFAB



ECODESIGN 2022 Certification

A European initiative to reduce emissions from combustion improving air quality

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INDEX

ABOUT 4HEAT WIFI APP CONTROL	3
CONFIGURATION	4
CONNECTION	8
HOME PAGE	9
SETTING	10
MANAGEMENT	11
FUNCTIONS	12
CHRONO FUNCTION	12
2HEATING FUNCTION	13
GRAPH VIEW	17
INFORMATION PAGE	17
MENU PAGE	18
INTEGRATION	19
ALEXA	19
SETTING	19
COMMANDS	22
ROUTINES	24
GOOGLE HOME	28
SETTING	28
COMMANDS	30
DEVICE SETTINGS	31

ABOUT 4HEAT WIFI APP CONTROL

4HEAT application is compatible with Android and iOS smartphones and devices. Whenever you want, and from any place where you have access to the Internet, you can control your heating system.

It is necessary that the user in his home has an Internet connection with the wireless (WIFI) router to which the device will connect and make a permanent connection with the Internet.

With the help of the 4HEAT application you can:

- Turn on and turn off your pellet stove
- Automatically receive an error report of your system
- Control the power of your stove
- Heating Programming (adjust the Ignition and Turn-off times on a daily, weekly or week-end regime)
- See the graphic history of all work parameters of your pellet stove.



App



Compatibility

Short description of the steps for a complete heating management:



1st step
Download the app;



2nd step
Configure 4Heat Module;



3rd step
Connect your smartphone;



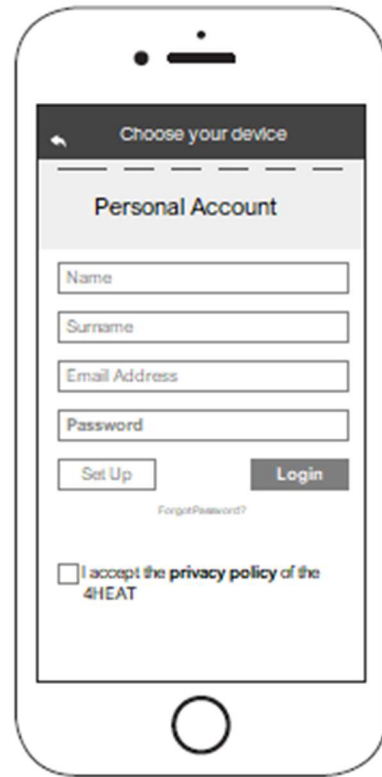
4th step
Manage your heating.

CONFIGURATION

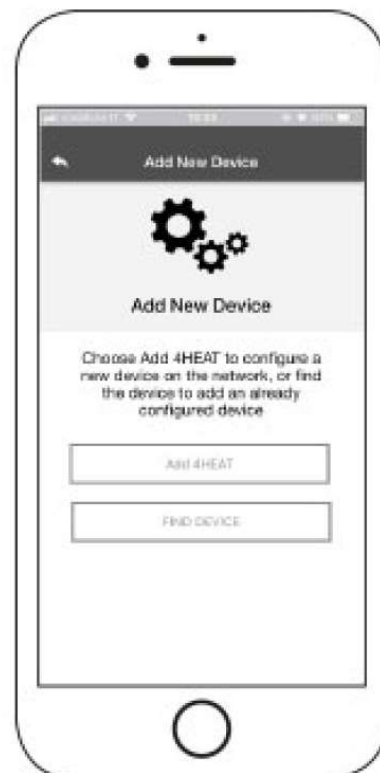
It is recommended to connect your Smartphone to the home Wi-Fi before starting the procedure.

At the start, a language must be selected.

1- Create an account with a valid email address and a password of your choice.



2- Choose "ADD 4HEAT" in between the options. If the 4HEAT module is switched on for the first time, "ADD DEVICE" must be selected.



CONFIGURATION (continued)

3- The 4HEATMODULE creates a temporary Wi-Fi to which you must connect with the Smartphone.

To connect your Smartphone to the Wi-Fi you have to go to Wi-Fi -> Settings of your Smartphone, where the Wi-Fi list is displayed and you have to select "4HEAT WI-FI". If your Smartphone asks to stay under this Wi-Fi network, you have to accept it otherwise the configuration cannot be done. This way the 4HEATModule will be connected to the app and the associated account.

To activate "4HEAT WI-FI": Press button (e), the Blue (c) and Red (d) LEDs start blinking alternately

In this way the Module will be connected to the app and the associated account;



4- Write a name for the device and enter a PIN of your choice. Each 4HEATMODULE device has its own name and password.

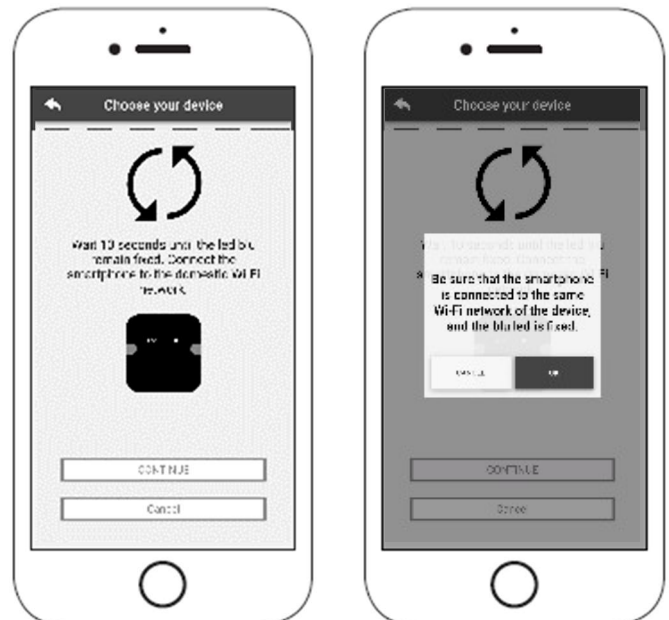


CONFIGURATION (continued)

5- Once the app and the 4HEATMODULE are connected, it is required to choose the home Wi-Fi to which the 4HEATMODULE device must connect;



6- Make sure that the smartphone reconnects to the home Wi-Fi appliance and that the Leds are fixed and do go on in the setup step.



NOTE:
If the configuration procedure was unsuccessful, you can reconfigure the 4HEATModule by pressing and holding 10 seconds the button.

CONFIGURATION (continued)

7- After completing the installation procedure of the 4HEATModule, it is advisable to close the app and restart it.

Close the app between open windows in the background.

On Apple device:

Touch the Home button twice

Scroll up the preview of the 4Heat app to close it.

On Android devices:

Press the lower right button for virtual buttons or the lower left button for devices with real buttons

Scroll to the left to close the 4HEATapp preview.



CONNECTION

In the “FIND DEVICE” section, it is possible to connect to the 4HEAT MODULE by entering the PIN code, only if the 4HEAT MODULE is connected to the same Wi-Fi as the smartphone.

It is also possible to connect remotely (using the data connection of your smartphone) by entering the access credentials of the already configured 4HEAT MODULE device.



Connected to the same WI-FI network








Connected remotely

The Home Page displays the 4HEAT MODULE including the temperature and functioning state.

The associated 4HEAT devices appear on the Home Page with their identification name.

In the following manner:

-  Operating status OFF
-  Operating status BLOCK
-  Operating status ON
-  Device not connected or unreachable
-  Updating required




Access to the settings of the associated device . See "Setting"

HOME PAGE



This menu is used to configure another 4HEATMODULE device. See “NEW CONFIGURATION 4HEAT MODULE”



In my4HEAT the device credentials associated with your app are shown. Using the button  it is possible to send, via e-mail and messaging services, the data to the 4HEAT applications of other users, in order to share the Heating System management.



Within Settings, there are:

Account Management: menu that allows you to create a new account or login/logout. If you don't have an account you cannot log out of this menu, you must have an account;

Restore App: it allows you to reset the APP to Default conditions;

Re-enable Tutorial: it allows you to reactivate the app's tutorial;

Notifications Management: it allows you to enable heating system status notifications. If you enable notifications you must also enable them with remote connection if you want to receive them even when you are not connected to the same Wi-Fi network of the device;

Change Language: allows you to set the app language.

Info App: allows you to view information about the version of the installed app on your smartphone.

Download Instruction: it allows you to download the user manual explaining how to use the APP. Press the save icon to store the manual in the internal memory of your smartphone;

Help Center: Link to website for assistance.



HOME PAGE (continued)



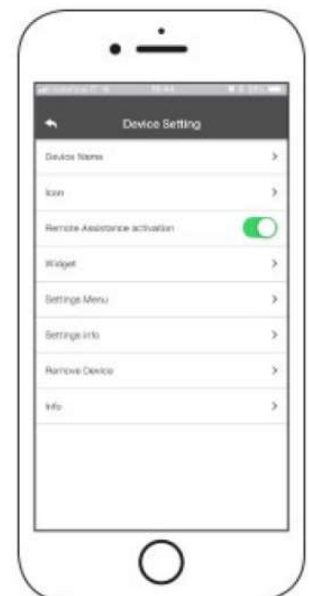
It allows you to connect to the management applications of the smart thermostats installed in your home system. To connect to the smart thermostat, enter the account credentials you recorded when setting it up.





SETTING

Access to the settings menu of the selected 4HEAT MODULE.




- Device Name:** use to change the name of the current device;
- Icon:** change the unit display icon on the home page;
- Remote Assistance Activation:** the user enables the possibility to receive remote technical assistance;
- Widget:** allows you to select the Widgets that appear on the main device management screen;
- Settings menu:** allows you to customize the display of menu functions. Some features may not be available due to the configuration of the heating system. "MENU PAGE"
- Settings Info:** allows you to customize the display of the system values of the info menu. "INFORMATION PAGE"
- Remove Device:** allows to delete the currently selected device;
- Weather Modification:** the local weather, which appears as a widget, can be set manually by entering the desired latitude and longitude coordinates, or using the GPS of your Smartphone;
- Info:** technical information concerning the product code of the control board and the firmware version of the Module;
- Wi-Fi Info:** information about the internet network to which the 4HEATMODULE device is connected.




MANAGEMENT

 **System ON:** press to switch it off
 **System OFF:** press to switch it on


Operating State:
displays the system state and errors if any

Main Thermostat:
it displays the system thermostat.
By pressing and holding the key  the thermostat modification is enabled.
With keys  and  or sliding your finger over the colour band changes the temperature.

Synchronisation:
 if flashing indicates that the application and the module are exchanging information.
When finished, a feedback is given on the result of the change.


Main Temperature



Widget:
they display information about the operation. You can decide which widgets to show on the main screen via the menu .

FUNCTIONS

By accessing the Chrono menu, the system management function can be set in two different modes.

Pressing on button  will access the modification of the function of your choice.

If the icon has an orange color it's in mode ON, the grey color means that it's in OFF mode, like the example below.

**Chrono
Mode ON**



**24Heating
Mode Off**

CHRONO FUNCTION

By entering the **CHRONO** function, you can set three different time slots to switch the heating system on and off.

Three types of programming can be chosen:

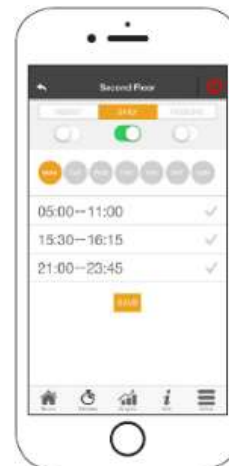
Weekly: Monday to Sunday setting

Daily: setting each single day

Weekend: setting during the weekend (Saturday and Sunday) or during weekdays (Monday to Friday).

Each time this function is updated you must press the Save button which appears at the bottom of the screen.

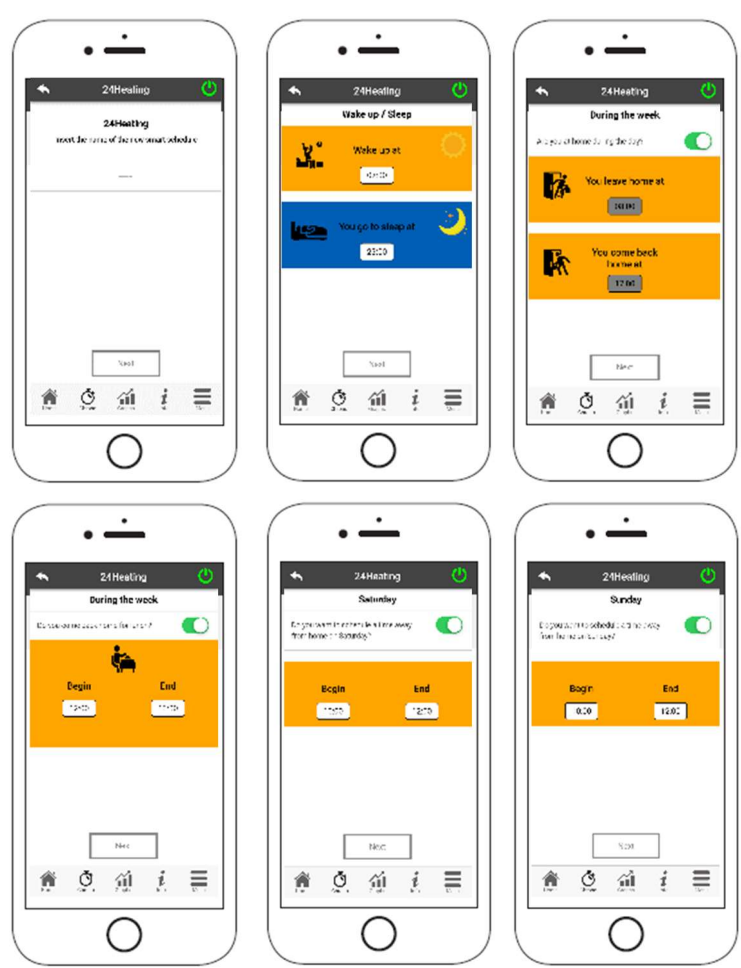
To reset the time slot, use the basket that appears with the slide-touch to the right of the time slot.



24HEATING FUNCTION

The **24HEATING** function allows you to manage your home heating, setting times and temperatures or powers, according to your daily needs.

During the tutorial, you are asked what name you want to give the weekly schedule and a few simple questions of daily routine.



24HEATING FUNCTION (continued)



It is possible to choose the thermostat or the power for the three available bands:




24HEATING allows you to manage time slots also from the main screen:

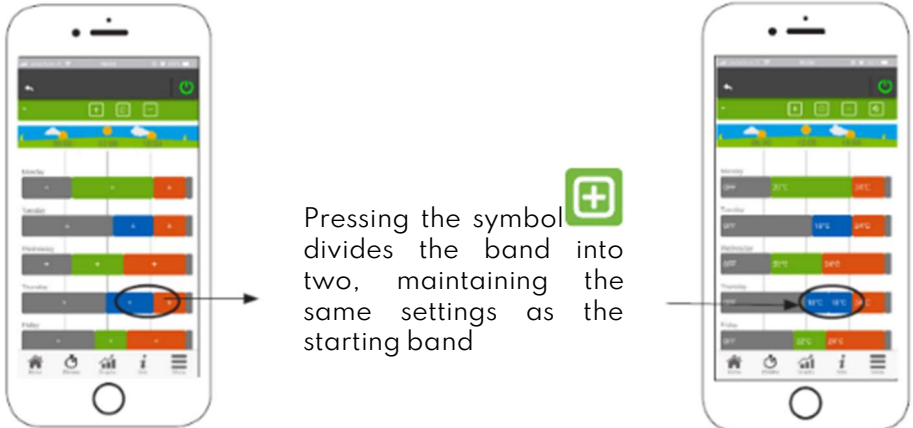



24HEATING FUNCTION (continued)

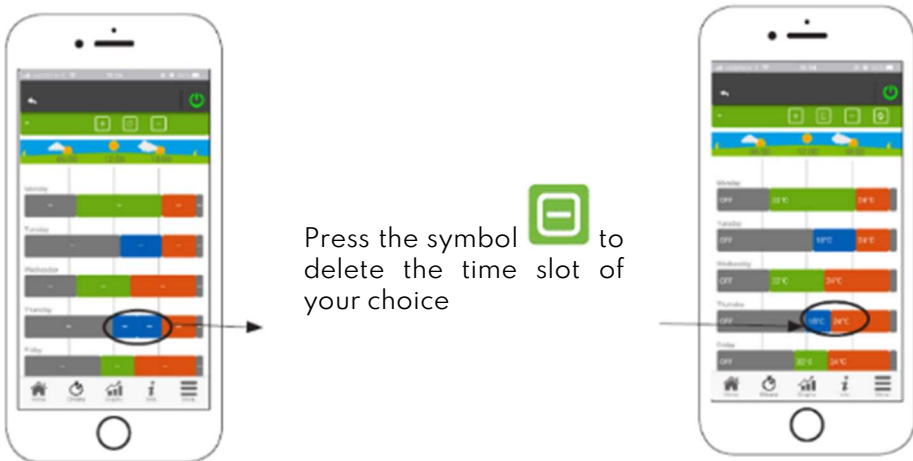
1. 24HEATING Program management: the drop-down menu on the top left shows the programs set by the user. Select the cloud to enable the program.

Press on the symbol  to change the thermostats or powers of each band


2. Add time slot: by selecting the button  a time slot can be split, as shown in the pictures:




3. Time slot Deleting: selecting the button  allows you to delete a time slot, as shown in the pictures:



24HEATING FUNCTION (continued)

4.Updating changes: the button  synchronizes the 24Heating with the device. Make sure to press this button each time you make a change otherwise the set data will be lost.

5.Copying a time slot: by selecting the button  you can copy time slots from one day to another. When finished, press the confirmation button at the bottom of the page.

6.Time slot modification: by pressing on a time slot, you can access the management menu, time slots cannot be set below one hour of operation.



GRAPH VIEW

This section displays the graphs of the values logged on the server by the 4HEATModule. Two types of views are available:

1.Daily: the displayed values are represented during the day of operation of the heating system. You can display the graphs of two time slots: 00:00/12:00 or 12:00/00:00. You can also choose to display the operating states of the heating system (Ex. Off/Run Mode/Block etc.). The recorded data remain in the memory on a weekly basis;

2.Period: graphical representation on a weekly basis of the system operating hours. The recorded data remain in memory on a monthly basis.



INFORMATION PAGE

This screen displays all measured values recorded by the control board. The values to be displayed can be set via Info settings of the selected 4HEATModule device. See "Setting".

NOTE:

It is also possible to view the reference data of the service provider and to send any support requests by e-mail. If the app is customised for a specific customer, you can enter the identification data.



MENU PAGE

On the Menu screen, you can access:

Power Management: In this menu you can change the combustion power and/or the heating power;

Thermostat management: allows you to modify the main thermostat and any other thermostats if required by the Heating System functions;

Last errors list: inside there is a list of all the times the heating system has given an error, at the end of the list there is a back button.



NOTE:

The managements to be displayed can be set via Settings Menu of the selected 4HEAT Module device "Setting".

INTEGRATION

ALEXA

Setting

It is possible to manage the operation of the 4HEATModule device with Alexa. The device 4HEATModule must be configured under the same Wi-Fi network Alexa will be set. After you have set up everything, you can configure Alexa with the 4HEATModule.

In order to run the 4HEATModule with Alexa it is necessary to download the Skill "4HeatSK" within the Alexa application by going to Menu → Skill and Games and search for Skill 4Heat.

Once you have found and selected the "4HeatSK" Skill click on Enable for use and follow the configuration procedure.

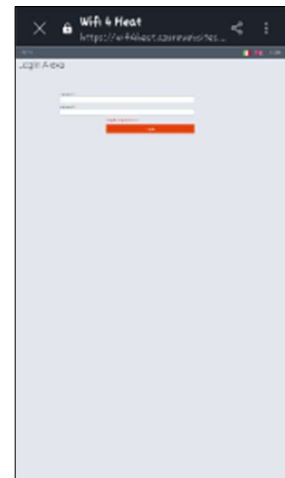
When asked for your email and password, enter the same one you used in the 4HEAT app. If you do not remember the credentials of the account you entered in the 4HEAT app you can view them by going to settings, see "HOME PAGE".

After logging in, the page showing the connection between 4HEATModule and Alexa is displayed.

At this point, the page is closed with an X in the top left-hand corner and you are then returned to the Alexa application where you are asked to find new devices

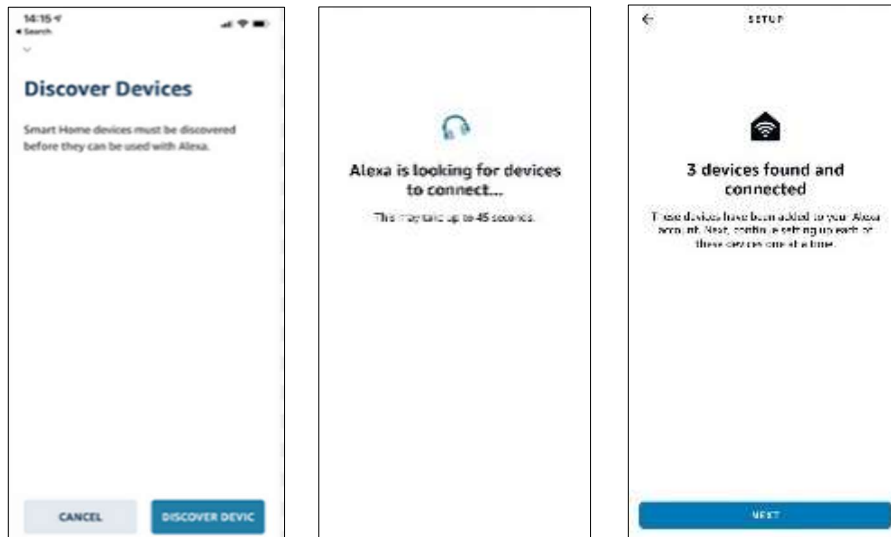
NOTE:

You can only change the room thermostat if it is set on your heating system. However, you can always switch the heating system on and off.

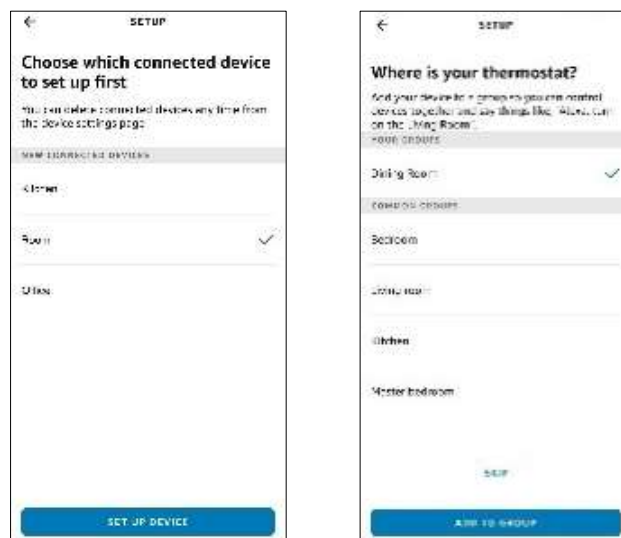


Setting (continued)

Clicking ON DISCOVER DEVICES will search for 4HEATModule configured devices. At the end of the search the number of found devices is displayed.

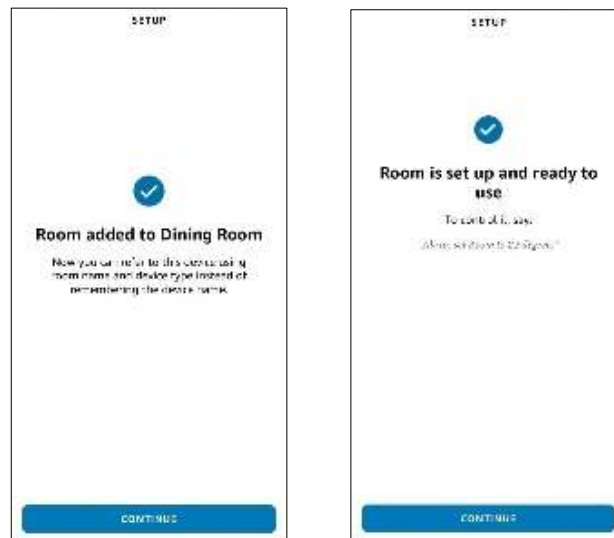


Clicking on SELECT DEVICE, a list of connected devices is displayed, select the device and click on DEVICE CONFIGURATION, you are asked if you want to add the selected device to a group, otherwise you can skip the procedure.



Setting (continued)

If you click on **SELECT GROUP** you will be asked which group you want to add the device to, selecting and clicking on **Add Group** will confirm that the device has been added to the group and click on **CONTINUE**. The last step confirms the successful configuration of the device 4HEATModule and you can now use it with Alexa.



By adding the 4HEATModule to a group, you can ask Alexa to send a command to the device with the name of the group it is associated with, instead of saying the name of the 4HEATModule device set in your application 4HEAT. (E.g.: "Alexa, turn on Dining Room")

If you click on **SKIP** a message is displayed confirming that the device has been successfully configured. This means that the device is not associated with any group, but you can always add it to a group at a later date.

At the end of the device configuration you will see the message that the devices detected at the beginning of the configuration have been added, click on **DONE**.



Commands

After the configuration procedure, it is possible to communicate with the 4HEATModule. With Alexa it is possible to change or read the set temperature of the room thermostat or to switch the heating system on and off with certain commands.

Commands you can ask Alexa for the 4HEATModule (Living Room is the name on the 4HEAT app):

- Alexa, is Living room turned on?
- Alexa, is Living room turned off?
- Alexa, turn off the Living room
- Alexa, turn on the Living room
- Alexa, what is the Living room temperature?
- Alexa, how is Living room set?
- Alexa, set the Living room temperature to 30 degrees.
- Alexa, raise the temperature of the Living room
- Alexa, lower the temperature of Living room
- Alexa, what is the Living room set temperature?

NOTE:

When the lowering and raising command is used, the temperature is increased or decreased by 2 degrees.

Commands (continued)

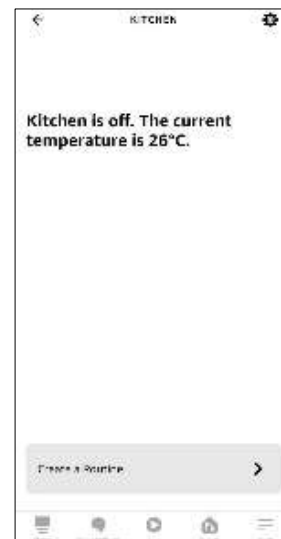
You can perform the same voice commands from the application by going to Devices → Thermostats here you will find the list of devices that have been configured there and you can turn the device on and off and set the thermostat temperature.

To switch the heating system on or off, simply click on ON or OFF in the device list.

It is also possible to turn all devices on or off at the same time by using the ON or OFF button above all devices.



To set the temperature of the room thermostat it is necessary that the heating system is switched on or, if the heating system is switched off or the current temperature is displayed.



Routines

The routines allow you to manage the operation of 4HEATModule devices more quickly. Routines can be accessed either within the device or from the menu of the Alexa APP.

To create a routine, click on CREATE A ROUTINE on the device screen, then click on



to start creating your own routine.

If, on the other hand, you access Menu→Routine then click on the plus button to create a new routine.

When creating a new routine, it must be entered:

- Name identifying the routine;
- WHEN THIS HAPPENS, which event activates the routine;
- What is the action to perform.

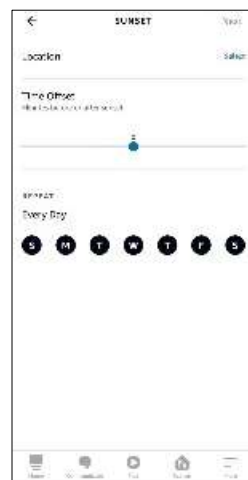
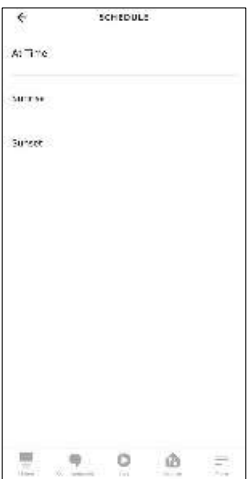


Routines (continued)

Voice: you are going to write a certain voice command in order to simplify the commands already set to address Alexa. This does not mean that you delete or change the voice command that manages the devices, but you can use both to perform that particular action.



Schedule: you can set a specific time at which you want the action to take place. You can choose a specific time or you can choose programming at sunrise or sunset. You can also choose the days when you want this operation to be repeated.



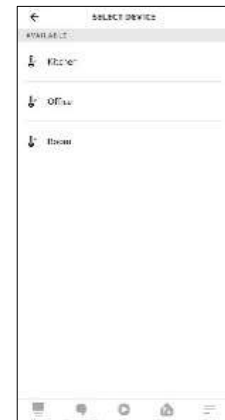
Routines (continued)

Smart House: it can be connected to other events triggered by other smart devices connected to Alexa.

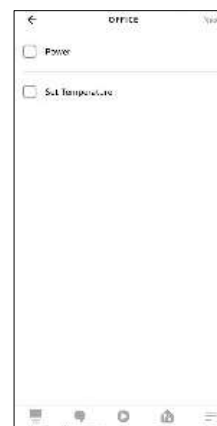
Alarm: you must have an alarm clock already enabled to use this Routine. If you don't have an alarm clock enabled, ask Alexa to set an alarm, so the action will be performed every time the alarm sounds. If you have more than one alarm clock set, you must change At any time and set TIME BETWEEN by selecting a start and end time that includes only and exclusively the alarm taken into account. Otherwise, the action will be repeated for all the alarms set.



The third and final step after choosing one of the managements of When this happens is to add an action to end the Routine. To add an action you must access to Smart House and select the affected 4HEATModule device, once this is done, you can choose the actions to take.



The action the 4HEATModule device can take are two, divided into Ignition and Set temperature. You can enable both actions or only one of the two, depending on your needs. In Ignition you can choose whether to switch the heating system on or off by enabling or disabling the On or Off flag. This will happen when the Routine is complete. In Set temperature, you can set the room thermostat temperature to a specific value, to choose manually, and it will be set on the 4HeatModule device when the Routine is completed. It is possible to change the temperature unit from Celsius to Fahrenheit.



Routines (continued)

It is also possible to add more than one action and assign other devices to the same routine as required.
 When all fields are filled in, save and the routines screen will appear.
 You can create other routines, delete or modify existing ones, create more than one routine on a given device, you can also deactivate and activate routines created within them.



Program Routine



Voice Routine



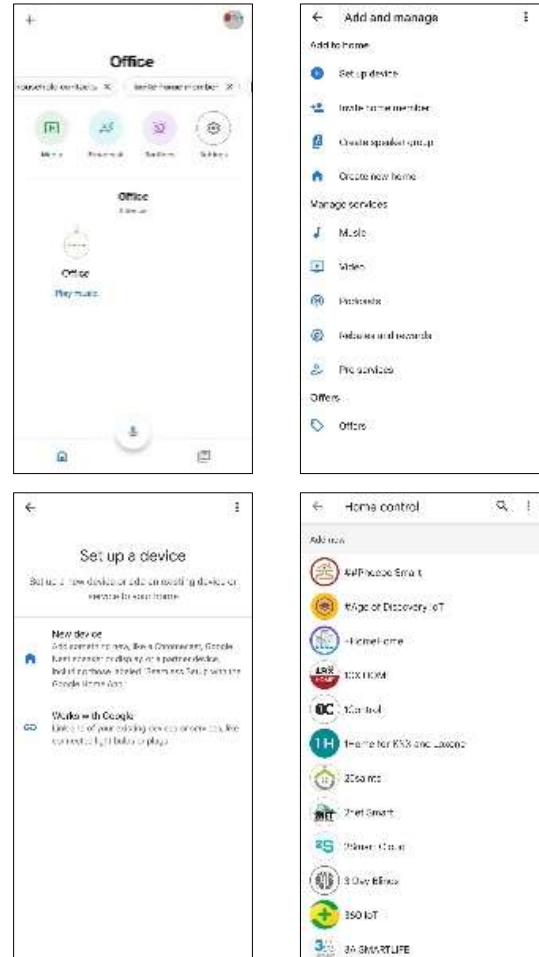
Alarm Clock Routine

GOOGLE HOME

Setting

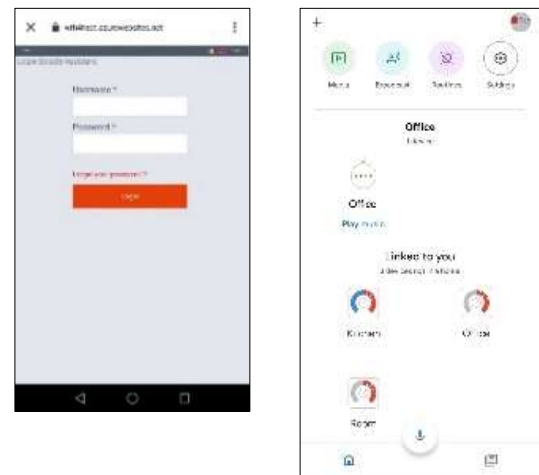
It is possible to manage the operation of the 4HEATModule device with Google Home. The 4HEATModule device must be configured under the same Wi-Fi network Google Home will be set. After you have set up everything, you can configure Google Home with the 4HEATModule.

In order to operate the 4HEATModule with Google Home you need to download in Home Control "Smart Stove" to the Google Home application by clicking on plus the top left, press on Configure device. In Configure you must go to select "Did you configure anything yet?" then we are going to enter in the search "Smart Stove" and click on it.



After accessing "Smart Stove" you are prompted to log in, you must enter the user and password that you use within the 4HEAT app. If you do not remember the credentials of the account you entered in the 4HEAT app you can view them by going to settings, see "HOME PAGE"

Once logged in, the account is linked. And back in the Google Home application main Home we will find our device



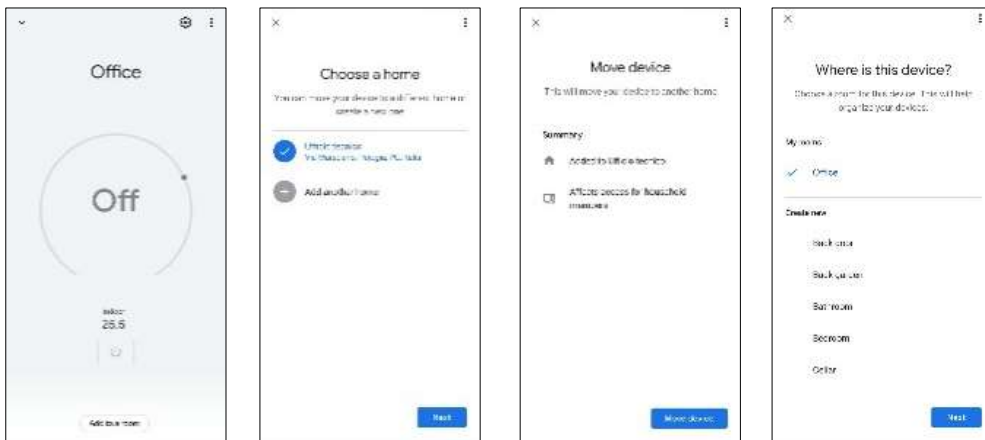
NOTE:

You can only change the room thermostat if it is set on your heating system. However, you can always switch the heating system on and off.

Setting (continued)

When you enter the 4HEATModule device, you must pair it with a room by clicking on "ADD TO A ROOM". Select the house where you want to move the device, if you have only one house it will be automatically selected, otherwise add another house.

If you want to move the device to another house click on the "MOVE DEVICE" button, you will be asked which room you want to move to, select a room and then go on.



By adding the 4HEATModule to a room you can ask Google Home to send a command to the device with the name of the room it has been paired with, instead of saying the name of the 4HEATModule device set in your 4HEAT application. (Ex: "Ok Google, turn on Office"). You can rename the device within the Google Home application. See "DEVICE SETTINGS".

NOTE:
In order to turn the device on and off from the Google Home application, it is necessary to associate the device with a room.

Commands

After the configuration procedure, it is possible to communicate with the 4HEATModule. With Google Home it is possible to change or read the set temperature of the room thermostat or to switch the heating system on and off with certain commands.

Commands you can ask Google Home for the 4HEATModule (Living Room is the name on the 4HEAT app):

- Ok Google, is Living room turned on?
- Ok Google, is Living room turned off?
- Ok Google, turn off Living room
- Ok Google, turn on Living room
- Ok Google, what is the Living room temperature?
- Ok Google, how is Living room set?
- Ok Google, set the Living room temperature to 30 degrees



You can perform the same voice commands from the application by entering the device. The heating system can be switched on or off, but the room temperature can only be set if the heating system is switched on

NOTE:

When the lowering and raising command is used, the temperature is increased or decreased by 2 degrees.

Device Settings

By staying within the device and going into settings, it is possible to make these changes:

Name: the device is renamed only within Google Home, but it does not replace the one within the 4HEAT application;

Home: it allows changing the home paired with the device;

Room: it allows changing the room paired with the device;

Disconnect Smart Stove: it removes the Smart Stove which allows using the 4HEATModule, taking us to the Home Control page;

Info: information related to Smart Stove control is displayed.



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