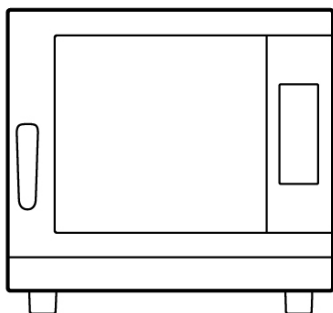


mychef.



---

## **Remote control user manual**



# **SNACK BAKERSHOP**

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## 1. INTRODUCTION

This manual has been prepared in order to provide reliable information and help for the use of the web application that controls the Mychef Bakershop convection oven and its link with the Google Assistant and the Google Home application.

The following document is divided into two parts, the first part dedicated to the configuration of the computer to be able to control it from any device with access to a web browser, and the second part focused on the synchronization of the control of the oven by voice commands with the help of Google Home.



***Before any configuration or use of the control system, it is necessary to read this manual carefully and completely.***

## 2. MYCHEF SMART CONTROL CONFIGURATION

### 2.1. Creating a new user

The first step to configure the remote control is to create a user, with which the different ovens to be controlled will be linked later.

Create a user through the following link or QR code:

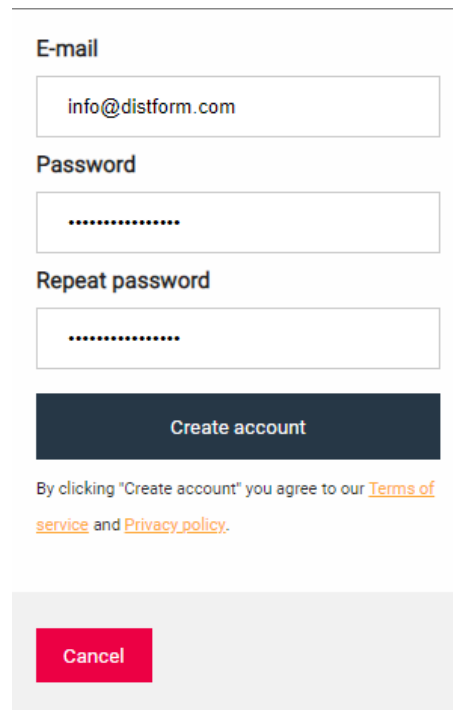
<https://mychef-432df.firebaseio.com/><sup>1</sup>



Mychef control panel authentication



**Figure 2: Authentication panel.**



E-mail

info@distform.com

Password

.....

Repeat password

.....

Create account

By clicking "Create account" you agree to our [Terms of service](#) and [Privacy policy](#).

Cancel

**Figure 1: New user creation form.**

Once in the authentication panel, select "Create account" to create a new user account.

Note: the password must contain at least 6 characters.

To link a device (mobile phone, tablet or computer) it is first necessary to set up a Wi-Fi connection in the oven. The following section (**2.2 Wi-Fi Connectivity**) explains in detail how to set up this configuration.



***This web address has the functionality to send notifications when the cooking of the different linked ovens is finished, so that, if you want to enjoy this service, you have to give permission for the sending of pop-ups from this address.***

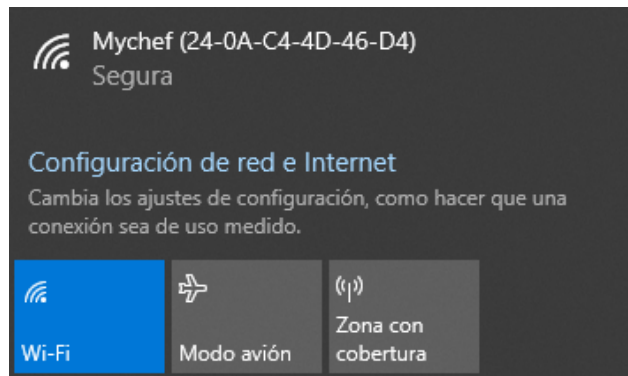
<sup>1</sup> It is recommended to use the Google Chrome browser for better performance.

## 2.2. Wi-Fi connectivity<sup>2</sup>

Once the oven is connected to the power outlet, it can be viewed as a Wi-Fi network from any device (mobile phone, tablet or computer).

The Wi-Fi network will appear with the name "Mychef" followed by a number in parentheses (the MAC address of the device).

This Wi-Fi network will then be selected on the device with which we want to link the oven. Once the Wi-Fi network is selected, enter the password 123456789 and wait for a configuration web portal to open automatically<sup>3</sup>.



**Figure 3: Access point of the oven from Windows.**

---

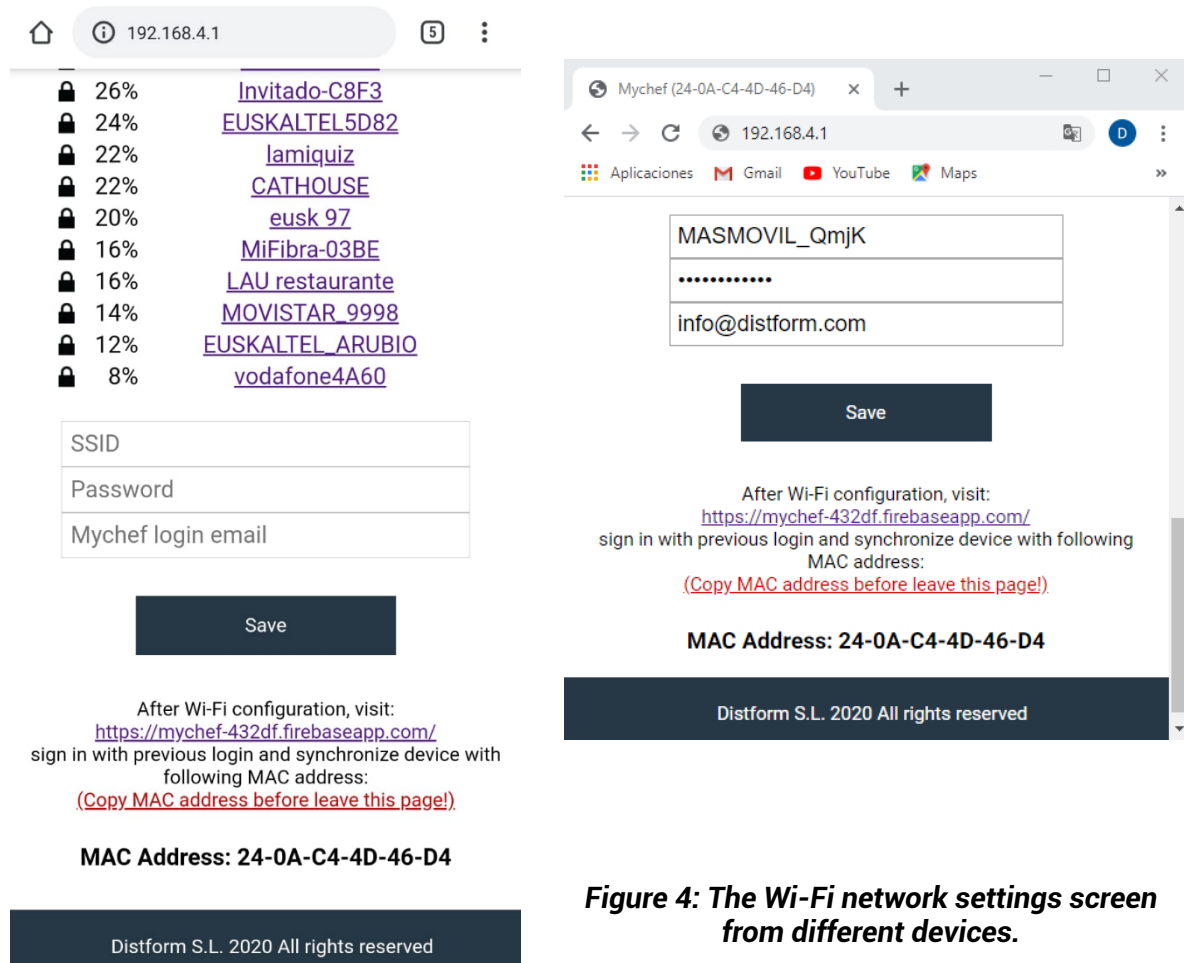
<sup>2</sup> You can reset your Wi-Fi network settings at any time. See **ANNEX 1.1**.

<sup>3</sup> If the configuration portal does not open automatically, open a web browser (Google Chrome is recommended) from a device connected to the Wi-Fi network and enter the following IP address in the browser: 192.168.4.1.

In this configuration web portal you will enter the data of your usual Wi-Fi network and the one you want to connect the oven to the internet (SSID).

In the field "Mychef login email" you must enter the user name that was created previously ( <sup>4</sup>**2.1. Creating a new user**)

It is important to write down the MAC <sup>5</sup>address that appears in the different points of the configuration, since this is unique for each device and will be necessary to link the equipment to the remote control. We recommend copying the number after the title "MAC Address:" so you can paste it later.



**Figure 4: The Wi-Fi network settings screen from different devices.**

<sup>4</sup> If for any reason an invalid user is entered, it is possible to reset this configuration. See **ANNEX 1.1**.

<sup>5</sup> If the MAC address of the equipment has not been noted, it can be displayed in the control panel of the oven once the Wi-Fi network has been set up. See **ANNEX 1.2**.

Once all the fields have been completed, you should select the "Save" button to save the changes and start the connection.



***It is important that you connect to a Wi-Fi network with a 2.4GHz frequency band, as 5GHz networks are not compatible with Smart Control functionality.***



***Once the Wi-Fi network is configured, it is important to wait a few minutes until the Wi-Fi network disappears (Mychef + MAC address), if this does not happen it means that the configuration data entered to authenticate the Wi-Fi network is not correct, then the process must be started again.***

### **2.3. Linking the oven to the device (mobile phone, tablet or computer)**

Once an Internet connection has been established,<sup>6</sup> the Wi-Fi network will no longer be visible. The next step will be to link our oven to the remote control. To do so, visit the following web address: <https://mychef-432df.firebaseio.com/> or QR code, log in with the user created in section 2.1. and linked to the oven in section 2.2.



If this is the first time you are linking a device, you will see the button combination shown in **Figure 5**.

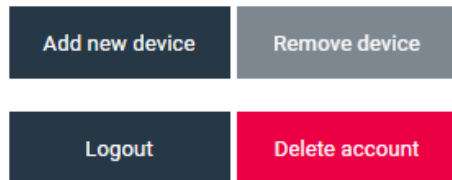
To add a new device, select the "Add new device" button and fill in the form in **Figure 6** with a name for the device (which will serve to identify it) and the MAC address<sup>7</sup> of the oven that we have previously copied.

Finally, we select the "Add device" button at the end of the form to add the remote control of the oven to our device (mobile phone, tablet or computer).

---

<sup>6</sup> See section 2.2. to configure the Internet connection.

<sup>7</sup> The MAC address consists of six two-character blocks that can be either a number from 0 to 9 or a letter from A to F. If the MAC address of the equipment has not been noted, it can be displayed on the control panel of the oven. See **ANNEX 1.2**.



**Figure 5 Session started without any linked device.**

Device name:  
Mychef

MAC Address:  
24-0A-C4-4D-46-D4

Add device

Cancel

**Figure 6: Form for adding a new device.**

If all the previous steps have been carried out correctly, the control panel of the oven will appear with the different buttons and text boxes to display and change the different parameters that are configured in the linked equipment, as well as the actual values of temperature, humidity and cooking time.



***It should be noted that when the user makes a change in this control system there is a delay between the database being updated and the change being sent to the equipment.***



2.4. Control Panel

Figure 7 shows the control panel for the ovens linked to the user account.

The functionality of each panel element is explained below.

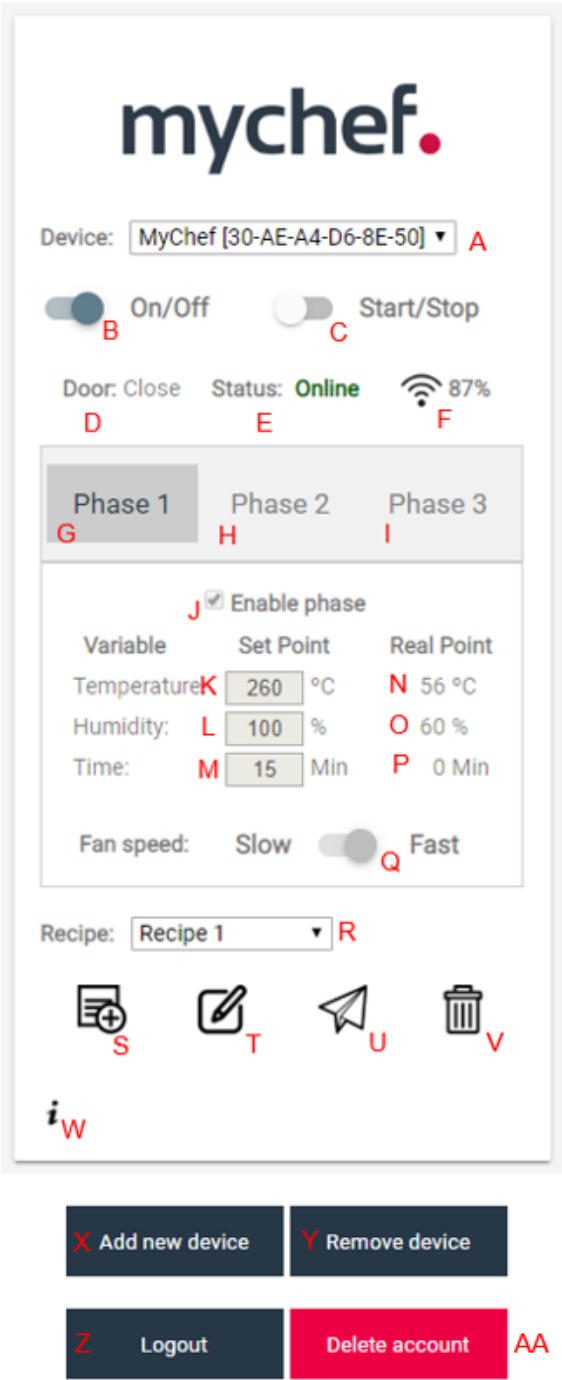


Figure 5: Control panel detail

Block	Function	Description
A	Device selection box	In this selection box, a list of all devices linked to the user account will appear.
B	On/Off button	Equipment on/off button.
C	Start/Stop button	On/off and start/stop button for the oven.
D	Door status indicator	Indicates whether the door is open or closed.
E	Equipment status indicator	It indicates the different states of the equipment, see <b>ANNEX 2</b> .
F	Wi-Fi indicator	Indicates by a percentage the strength of the Wi-Fi signal.
G	Phase 1 button	Selecting this button redirects the front panel of the oven to phase 1 and displays the cooking parameters for this phase. This phase is always on.
H	Phase 2 button/indicator	Selecting this button redirects the front panel of the oven to phase 2, activates it if it is disabled, and displays the cooking parameters for this phase. If the button text appears as if it were disabled, it means that the phase is not active.
I	Phase 3 button/indicator	Selecting this button redirects the front panel of the oven to phase 3, activates it if it is disabled, and displays the cooking parameters for this phase. If the button text appears as if it were disabled, it means that the phase is not active.
J	Checkbox phase activation	Deselect if you want to deactivate a phase. Phase 1 is always active.
K	Input/indicator target cooking time of the oven (Set Point)	Allows you to enter the desired temperature value in the range [30,300] °C for manual cooking or indicates the target temperature value for a given recipe.
L	Input/target moisture indicator of the oven (Set Point)	Allows you to enter the desired humidity value in the range [-100,100]% for manual cooking or indicates the target humidity value for a given recipe.
M	Input/indicator target cooking time of the oven (Set Point)	Allows you to enter the desired cooking time value in the range [0-5940] minutes for manual cooking or indicates the target cooking time value for a given recipe.
N	Real oven temperature indicator (Real Point)	Indicates the real time temperature value of the oven's cooking chamber.
O	Real oven humidity indicator (Real Point)	Indicates the real time humidity value of the oven cooking chamber.
P	Real oven cooking time indicator (Real Point)	Indicates the value of the cooking time that has passed since the start of the cooking process.
Q	Fan speed button	Fan speed selection button, can be low speed (Slow) or high speed (Fast).
R	Recipe selection box	A list of all recipes entered by the user will appear in this selection box.
S	"Add Recipe" button	Button to add a new recipe to the user's recipe list. See <b>ANNEX 3</b> .
T	"Edit Recipe" button	Button for editing the cooking parameters of the recipe selected in the "recipe selection box" (N). See <b>ANNEX 3</b> .

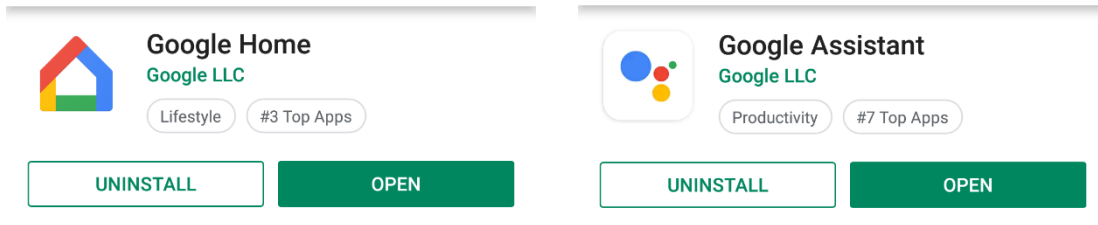
<b>U</b>	"Send recipe" button	Sends the cooking parameters of the recipe selected in the "recipe selection box" ( <b>N</b> ) to the oven
<b>V</b>	"Delete recipe" button	Removes the recipe selected in the "recipe selection box" ( <b>N</b> ).
<b>W</b>	"More information" button	It opens a window with information about the equipment: the user linked to the equipment, the minutes of operation of the oven and the temperatures of the electronics of the equipment.
<b>X</b>	"Add New Device" button	Allows you to link a new oven. <b>See section 2.3.</b>
<b>Y</b>	"Delete device" button	Allows you to remove a device from the list of linked computers.
<b>Z</b>	"Logout" button	Log out and redirect the page to the authentication panel.
<b>AA</b>	"Delete account" button	Once all the ovens are deleted, delete the user account

**Table 1: Control panel description.**

## 3. GOOGLE HOME SETUP AND VOICE ASSISTANT<sup>8</sup>

### 3.1. Synchronizing computers to Google Home

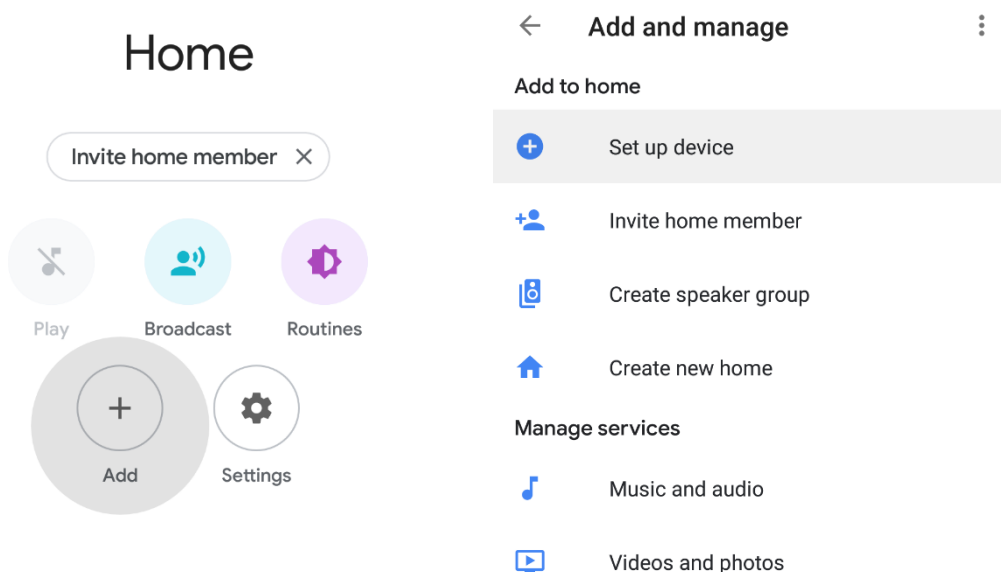
The first step to be able to use the Google Home functionality and control our devices using the Voice Assistant is to sign in with a Google account on our mobile device and download the Google Home and Google Assistant application.



**Figure 6: Google applications required.**

Once the two applications are installed, we start Google Home and follow the next steps:

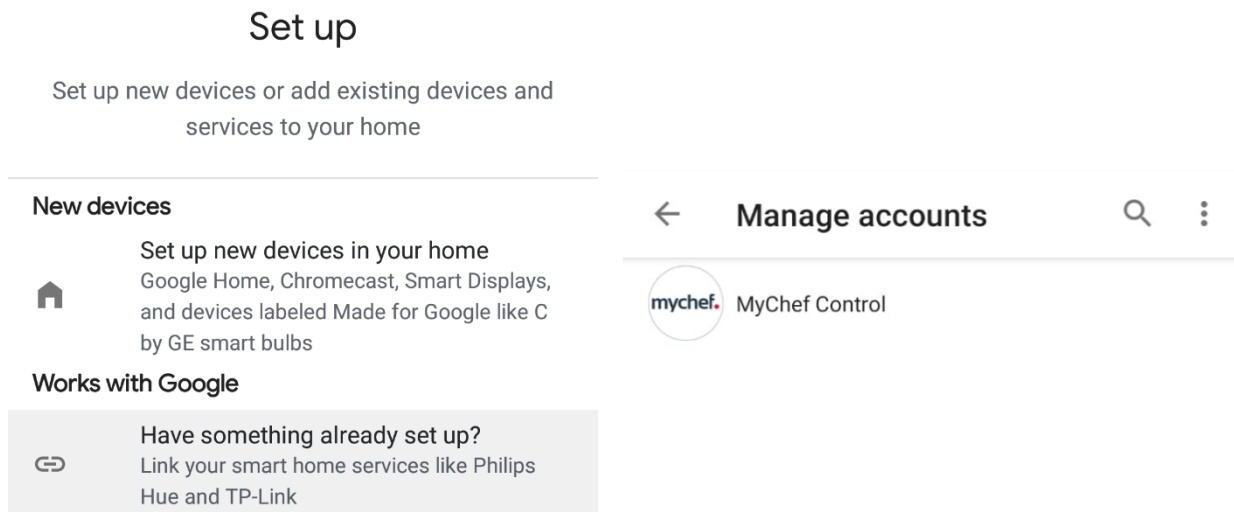
1. On the app's home screen, select "Add" and then "Configure the device".



**Figure 7: Google Home application captures steps to be followed.**

<sup>8</sup> Mychef's Intelligent Voice Control is currently only available in English, so you need to change the language of the mobile device you are using to English to enjoy the full functionality.

2. Select the option "Work with Google" and then search the list of suppliers for the "Mychef Control" service



**Figure 8: Google Home application captures steps to be followed.**

3. Finally, you will be redirected to the authentication server page to log in with the user and password created in **section 2.1**.

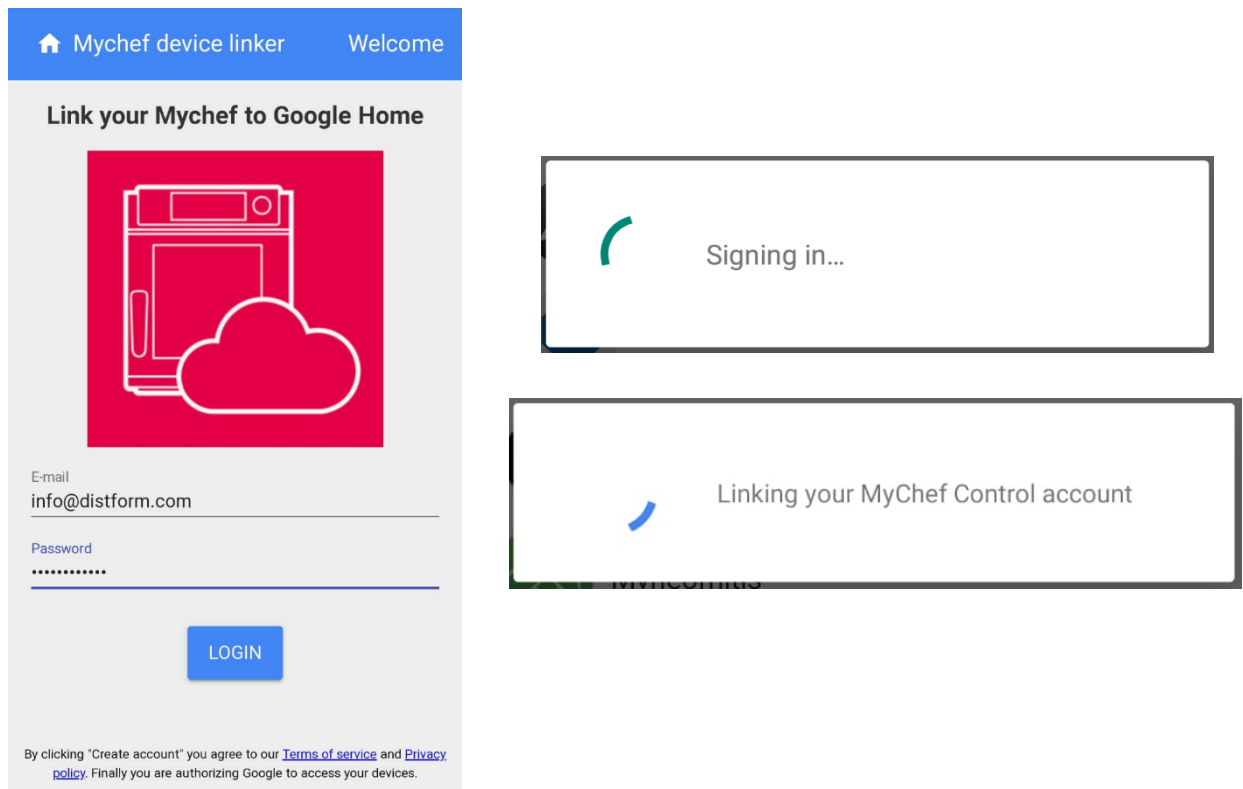


***It is possible that in some cases the server is busy or that a message appears informing that the synchronization could not be carried out, the message should be omitted if the linked ovens appear on the start screen. If they do not appear, repeat all the steps in this section.***

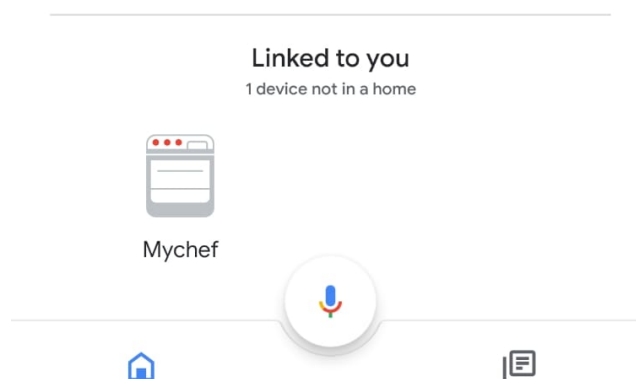


***Whenever you add or remove an oven in the control web application, the Google Home startup screen will automatically update with the new devices, otherwise you need to unlink your account from the Mychef Control<sup>9</sup> service and repeat the steps in this section to make the devices appear or disappear on the Google Home startup screen.***

<sup>9</sup> See ANNEX 1.3



**Figure 9: Authentication server screen and messages that appear while validating and synchronizing information.**



**Figure 10: Google Home Home screen where all the ovens linked to the user's account will appear, along with all the smart devices that the user has associated with his Google account.**

### 3.2. Voice commands for oven control<sup>10</sup>

ON/OFF	
- Turn on <i>Mychef</i> .	- Is <i>Mychef</i> on?
- Turn off <i>Mychef</i> .	- Is <i>Mychef</i> off?
- Turn on [all] ovens.	- Turn off [all] ovens.
START/STOP:	
- Start <i>Mychef</i> .	- Run <i>Mychef</i> .
- Stop <i>Mychef</i> .	- Start [all] ovens.
- Stop [all] ovens.	
TEMPERATURE CONTROL: (X = [30-300])	
- Set <i>Mychef</i> temperature to X.	- Set <i>Mychef</i> to X.
- What is <i>Mychef</i> temperature?	- What temperature is <i>Mychef</i> set to?
- Set [all] ovens temperature to X.	- What are ovens temperature?
HUMIDITY CONTROL: (X = [High, Medium, Low])	
- Set <i>Mychef</i> mode to Humidity X.	- Set <i>Mychef</i> to Humidity X mode.
- What mode is <i>Mychef</i> set?	- Is <i>Mychef</i> humidity X mode set?
- Set [all] ovens mode to Humidity X.	
TIME CONTROL: (X = [0-99 hours, 0-5940 minutes, 0-356400 seconds])	
- Run <i>Mychef</i> for X.	- Set <i>Mychef</i> timer to X.
- Start <i>Mychef</i> for X.	- How many minutes are left on <i>Mychef</i> ?
- Cancel <i>Mychef</i> timer.	- How many minutes are left on ovens?
- Increase <i>Mychef</i> timer X.	- Decrease <i>Mychef</i> timer X.
FAN CONTROL: (X = [High,Low])	
- Set <i>Mychef</i> fan speed to X.	- Set <i>Mychef</i> speed to X.
- What fan speed is <i>Mychef</i> set to?	- What is <i>Mychef</i> speed?
- Set ovens speed to X.	- What are ovens speed?

**Table 2: Different voice commands compatible with the intelligent control**

<sup>10</sup> The word "Mychef" appears in these commands to refer to the oven in question, but this word can be replaced by the name you want to give the oven once it is added to the web control.

From the Google Home application's start screen, pressing the microphone icon, saying "OK Google" or "Hey Google", will open the Google Assistant which will listen to the voice command the user says and if it is correctly understood as a oven control command, will perform the action requested or inform about the parameters asked.

You can also do this directly from the Google Assistant application or through any device that supports the Google Assistant such as a Google Home speaker.



**Figure 11: Different voice commands understood and executed by the Assistant.**

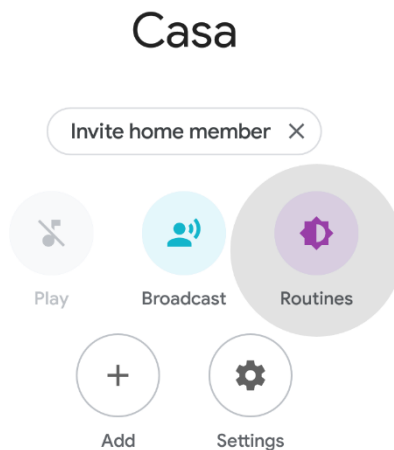


### 3.3. Adding automated routines

It is also possible to add routines to Google Home, so that different actions are executed with a single voice command.

Below is an example where just by saying "Cook Pizza", Google Home will execute all the necessary commands to turn on the oven, set the desired temperature, humidity and cooking time and finally start a bake with these parameters.

1. Go to the Google Home screen and select the "Routines" icon. Then manage routines and press the add icon (+).



**Figure 12: Google Home application capture.**

2. In add commands you will write the voice command you want to execute the routine, in this example it will be "Cook Pizza".
3. Finally, under "Add action", all commands of **Section 3.2.** that you want the oven to perform in this routine are added. For this example they will be as follows<sup>11</sup>:

- Turn Mychef on.
- Set Mychef temperature to 260.
- Set Mychef mode to Humidity Low.
- Start Mychef for 17 minutes.
- Start Mychef.

---

<sup>11</sup> The word "Mychef" appears in these commands to refer to the oven in question, but this word can be replaced by the name you want to give the oven once it is added to the web control.

←
cook pizza
🗑️
✓
⋮

When...

I say "cook pizza"
>

Set a time and day (optional)
>

My Assistant should...
CHANGE ORDER

×
turn mychef on
⚙️

×
set mychef temperature to 260
⚙️

×
set mychef mode to humidity Low
⚙️

×
start mychef for 17 minutes
⚙️

×
start mychef
⚙️

Add action

**Figure 14: Routine configuration in the Google Home application.**



**Figure 13: Executing the configured routine by voice command in the Google Assistant application.**

## 4. ANNEXES

### ANNEX 1: Support functions

#### 1.1. Reset Wi-Fi settings

It is possible to remove the Wi-Fi network settings as well as the user to which the oven is linked as follows:

- Turn off the oven by pressing and holding the START/STOP button.
- Once off, press and hold the fan icon on the front panel until you hear a "Click".
- See if the device's Wi-Fi Access Point appears, if not, repeat these actions again.

#### 1.2. Show MAC address

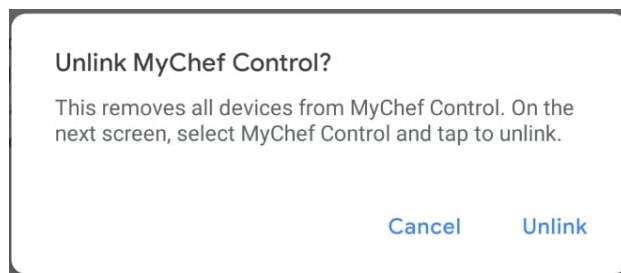
You can view the MAC address of your device once you have set up a Wi-Fi connection to your computer as follows:

- Turn off the oven by pressing and holding the START/STOP button.
- Once off, press and hold the temperature icon on the front panel until you hear a "Click".
- The central display will show the digits of the MAC address in pairs in an orderly fashion.

If the Wi-Fi connection to your computer has not yet been set up, the MAC address can be seen in the name of the Wi-Fi access point.<sup>12</sup>

#### 1.3. Unlink the "Mychef Control" service

To unlink the Google account to the "Mychef Control" service, follow the steps in **section 3.1.** until the list of service providers appears, this screen will show that we are linked to the "Mychef Control" service with the number of devices synchronised. If you want to unlink the account, just select the linked account and choose "unlink".



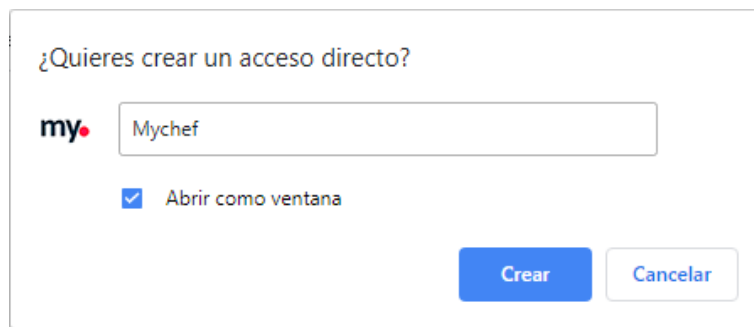
**Figure 15: Last window concerning the steps to be followed to unlink the account from the service**

<sup>12</sup> See **section 2.2.**

## 1.4. Desktop application for intelligent control

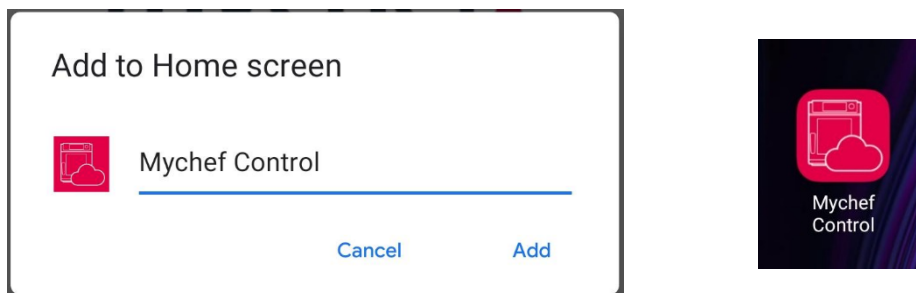
If the web control application is accessed through the "Google Chrome" browser, it is possible to download the page as an application, either on a mobile device or on a computer.

- **Computer:** Go to the menu at the top right of Chrome, select "More tools" and "Create shortcut...". In the pop-up window that will open, put the desired name for the application and select the box "Open as window" and "Create". This creates a shortcut to our intelligent control that can be found in the home menu.



**Figure 16: Pop-up window for creating the shortcut**

- **Mobile device:** Similarly, on the mobile device, go to the menu at the top right of Chrome, select the option "Add to Home Screen" and add. This creates a shortcut to our intelligent control that can be found on the home screen of the mobile device.<sup>13</sup>



**Figure 17: Pop-up window for adding the application to the home screen and application icon on a mobile device**

<sup>13</sup> In order to add the shortcut to the home screen, the Chrome application must have permissions to do this

## ANNEX 2: Table of states

Status	Description
Online	The equipment is connected while waiting to start cooking or washing.
Offline	The computer is not connected or ready to receive and send data.
Cooking	The equipment is connected and performing a cooking.
Preheating	The equipment is switched on and pre-warming up.
Adjust	The equipment is connected and has reached the heating temperature.
Washing	The equipment is connected and performing a wash.
Error	The equipment shows an error on the central display.
Connecting...	It is trying to connect with the oven.

**Table 3: Different states that can be displayed on the control panel**

## ANNEX 3: Recipes

The remote control gives the possibility to enter an infinite number of recipes and these will be compatible and visible to all the ovens that can cook them. To add a recipe, just fill in the different fields of the form that opens. The data to be entered are the name of the recipe, desired temperature and humidity, cooking time and fan speed for each phase that is enabled.

In the same way, if you want to edit a recipe, the same form will be opened with the data entered previously at the time it was created and it will be enough to change the data by the new parameters desired.

**Figure 18: Recipe creation form**

If a recipe is selected, the cooking parameter input fields are locked with the values of the recipe in question. To change the cooking values again, select Manual cooking.