QUICK MANUAL REMOTE MODE CONFIGURATION

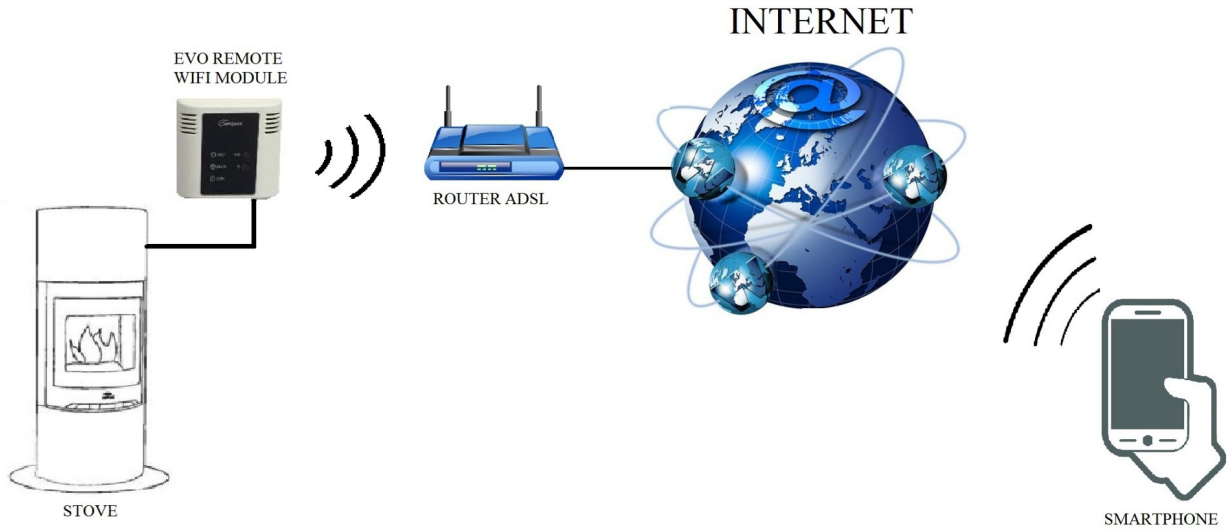
EVO Remote MRX1 Rev. V4

MAN_00001_EN(MRX1RV4)
ED: 1.0 – March 2025

1 Index

1 Index....2
2 Operation example....4
3 Description....5
4 Necessary materials and informations....6
5 Advertise....6
6 Conditions of Use....6
7 Registration....7
8 M1 WiFi module configurations....8
9 LED Status....11
10 MyDPRemote app configuration....12
11 Set the temperature....15
12 Connecting Alexa App....16
IoT server registration....17
Configure the Alexa App....20
13 Troubleshooting....24
14 Technical Wifi features....26
15 Declaration of Conformity....26
16 Information on product disposal....26

2 Operation example

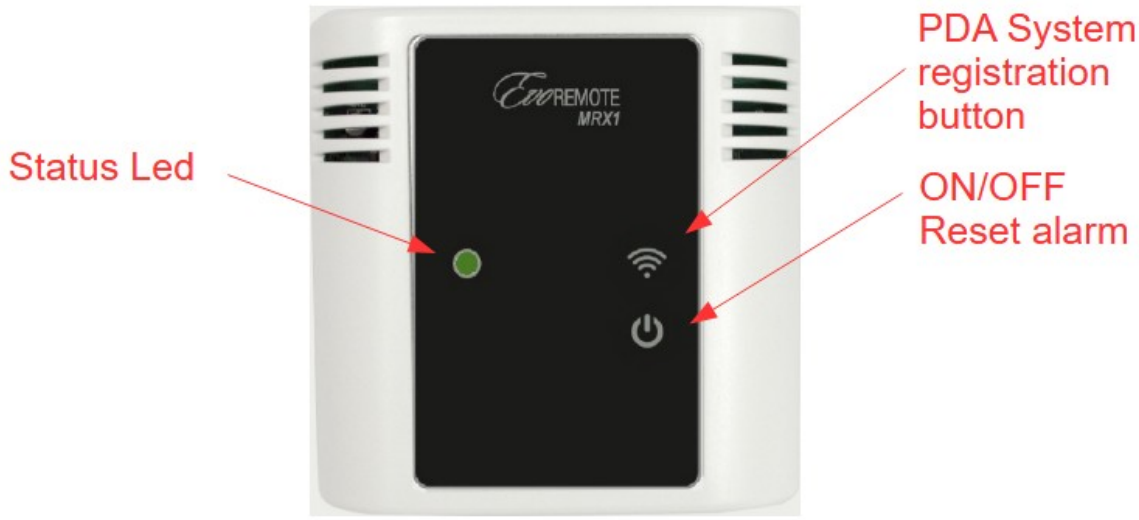


In the remote mode, the M1 WiFi module is connected with a cable to the stove, and with a wireless connection is connected to a router. The router allows the WiFi module to connect itself to internet.

A smartphone, connected to internet with a mobile connection or a WiFi private network, can communicate with the M1 WiFi module, and so can control your stove wherever you are.

3 Description

Module MRX1 is an integrated system for connecting the stove to WiFi network and/or a dedicated radio network for using the remote control with LCD graphic PDA SYSTEM. For the latter, refer to the PDA SYSTEM remote control manual.



Status Led: shows the status of the stove as follow:

Stove Status	Led Status
Stove off	If Wifi is not installed flashing GREEN every 10 seconds. If Wifi is installed and connected GREEN flashing every 10 seconds. If Wifi is installed but not connected RED flashing every 10 seconds.
Stove on	Green led is on.
Cooling	Green LED Flashing frequency ½ second.
Alarm	Red LED Flashing frequency ½ second.

PDA System Recording button:
Allows the recording of the remote control. Pressing for about 5 seconds the status LED will flash for about one minute of orange color. During this time, the remote control can be registered according to the instructions in the remote control manual. To manually exit the recording press the On/OFF button.

On/OFF button:
Allows you to switch on, turn off the stove or reset the alarm.

4 Necessary materials and informations

To configure the M1 WiFi module in the remote mode, you must have:

- A M1 WiFi module with its **Device Code** available on the back of the module
- A device with WiFi connectivity (Smartphone, PC, tablet)

Moreover, you have to know the following informations:

- Name of the WiFi network (SSID)
- Password of the WiFi network

This informations usually are available on the box of the router itself, or the person who set up your private network gave you them.

5 Advertise

- The M1 WiFi module **DOESN'T** support the network with spaces in the SSID **AND/OR** spaces in the password. In this case, the module will be no longer useful in remote mode. Change the name and/or the password of the WiFi network.
- The M1 WiFi module supports only the network with the following security:
  - WEP
  - WPA-PSK
  - WPA2-PSK

6 Conditions of Use

Installing and using the M1 wifi module and the MYDPREMOTE Application, you accept the terms of use and the limitations of liability that you find at the link:

https://duepigroup.com/en/dpremote-terms-of-use/

7 Registration

To use the EVO Remote WiFi module in the remote mode, is necessary a **free** registration, in order to receive the parameters needed for the smartphone app.

To register yourself, go to the following web page with a PC or a smartphone:

https://www.duepigroup.com/prodotti-duepi/mydpremote-app-iphone-android/

at the end of the page, is available a registration form. Insert the correct data in the specified fields and press the button "**Send**".

Register here your **dpremote** device
your wifi now is working, All configuration data for App are in link you already have of wifi module or quick guide.

After registration you will not receive any answer !

Informed Consent. In accordance with Italian Legislative Decree no. 196/2003 – UE 2016/679 as amended.

By completing and sending this form, I declare to have read the information notice and Art.13 and I consent to the processing of my personal data, within the limits and for the purposes indicated in the mentioned information notice **Privacy Policy**

Name *

Surname *

Phone Number *

Email Address *

Address *

City *

Device Code of WiFi Box *

Operating System of your device
You can register your device only one time to use App with Android and also Apple IOs.

ATTENTION!

After send registration don't receive any email from us. Your device already work.

see Par.10 And read how configure App.

You can made only one registration to use App in more than one device Ios and Android. Don't send more than one registration !

For further informations, you can contact us at the mail **dpremote@duepigroup.com**.

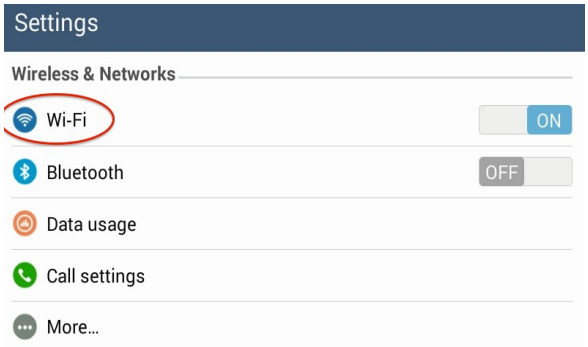
Anyway you can contact manufacturer of stove in order to have full support.

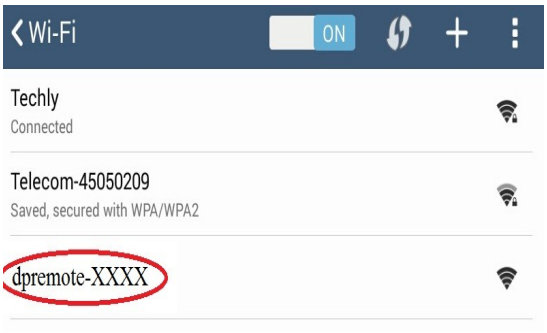
8 M1 WiFi module configurations

ATTENTION! The following operations must be done near the WiFi module (not more than 3-4 meters).

1. Connect the EVO Remote WiFi module to the stove. Holding the **WS** and **R** button. Keep holding the **WS** button and release the **R** button. Wait until the green and red LED are blinking quickly (about 6 time per second). Now you can release the **WS** button;
2. With the WiFi device connect to the WiFi module private network (**dpremote-XXXX** or similar). The network **HASN'T** a password. You can perform this operation in:

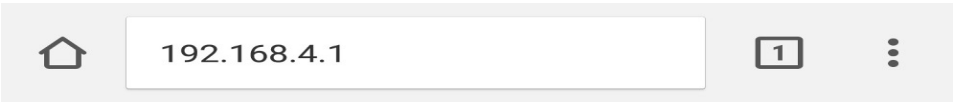
   "Settings" → "Wi-Fi" → "Network search" → "Connection".





3. Once you are connected, open an internet program (Explorer, Firefox, Chrome, Safari, …);

4. Insert in the address bar the following text: **192.168.4.1**



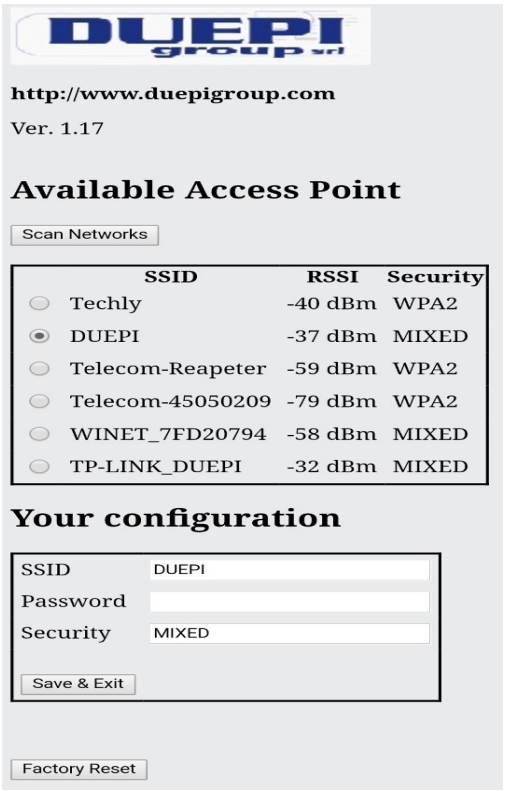
5. The module will ask for the log in:

Insert:

- Username: **user**
- Password: **insert the device code**

Press the **LOG IN** button.

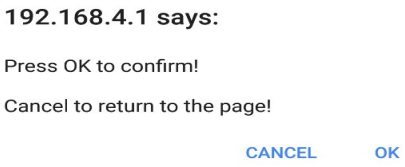
6. When charged, you will see a page similar to the following:



7. In the field **Available Access Point**, if your network isn't displayed, press the **Scan Networks** button;
8. In case the page don't open press **Scan Networks** again or clean cache memory of used device to configure wifi box. To do so, follow instruction of web browser user.

	RSSI value indicates the signal level of the WiFi network received from the module. In case the value is lower than -65dBm (for example -75dBm), the communication between the module and the Mydpremote application is not optimal. It is therefore necessary to bring the WiFi module closer to the router, or add a WiFi repeater.

9. Select the desired network by pressing in the button near the network name (SSID). If there isn't your network, you can put its name manually in the below field **SSID**;
10. Insert the password in the field **Password** (leave empty if the network is open);
11. Press the **Save & Exit** button



12. Confirm the configuration pressing **OK** button

13. At this point you can close the web page. If the module doesn't reboot itself, press the "**R**" button for some seconds.

    Once rebooted, in few minutes the module will connect to your chosen WiFi network. This situation is visible from the green LED, that stay on solid. In the case this doesn't happen, try to repeat the module configuration, and control carefully the inserted data, or see the **Par. 13** for troubleshooting. The table below shows in details the module functionality in function of the LED status.

9 LED Status

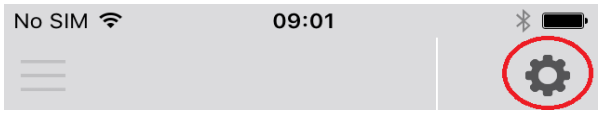
Green LED	Yellow LED	Red LED	Situation	What to do
OFF	OFF	OFF	The module isn't powered	Check the connection between module and stove
On Solid	OFF	OFF	The module is connected to internet and is waiting for a communication from the DPRemote app	No operations, the module is working correctly
On Solid	Fast Blink	OFF	The module is connected to the DPRemote app and is communicating correctly	No operations, the module is working correctly
Slow Blink (once every 1 seconds)	OFF	OFF	The module is connected to the router but doesn't have an internet connection yet	If in few minutes the green LED doesn't stay on solid, try to reset the module and the router. Some settings could deny the module connection
Fast Blink (twice a second)	OFF	OFF	The module is waiting a router connection	If in few minutes the green LED doesn't stay on solid, try to reset the module and the router. If the problem persists, check the router settings
The Green and Red LED blink casually			The module isn't connected to the router	Reset the module and the router. If the problem persists, try to approach the module to the router and check if the settings of the module are correct
The Green and Red LED blink quickly (about 6 times per second)			After the pressure on the "**WS**" button the module is generating a WiFi network for its configuration	If you aren't in the configuration phase, reset the module by pressing the "**R**" button

10 MyDPRemote app configuration

To connect the smartphone to the M1 WiFi module, follow this procedure:

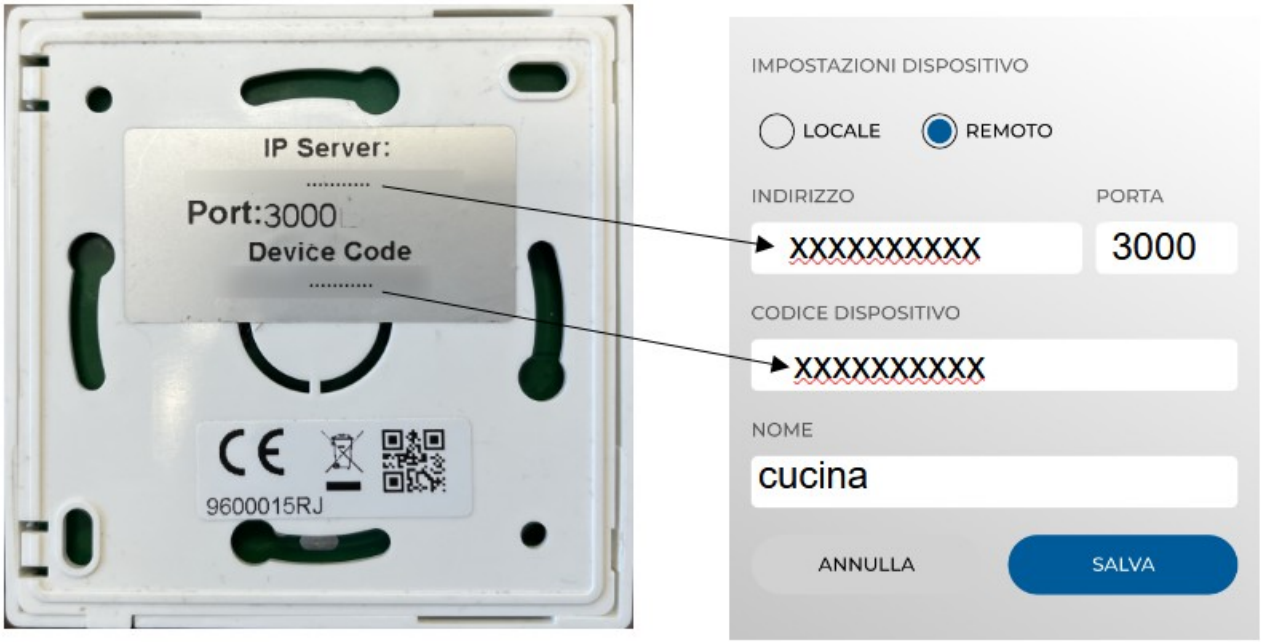
1. Control if you are connected to internet with mobile connection or WiFi;
2. Download the DPRemote app from Google Play or App Store, it depends on what device you have;
3. Start the DPRemote application by pressing its icon on your smartphone:

4. At the start, press on the icon on the top-right corner to enter in the settings:



5. Select the remote connection mode:

6. In case you have label with full codes insert it in field of application.



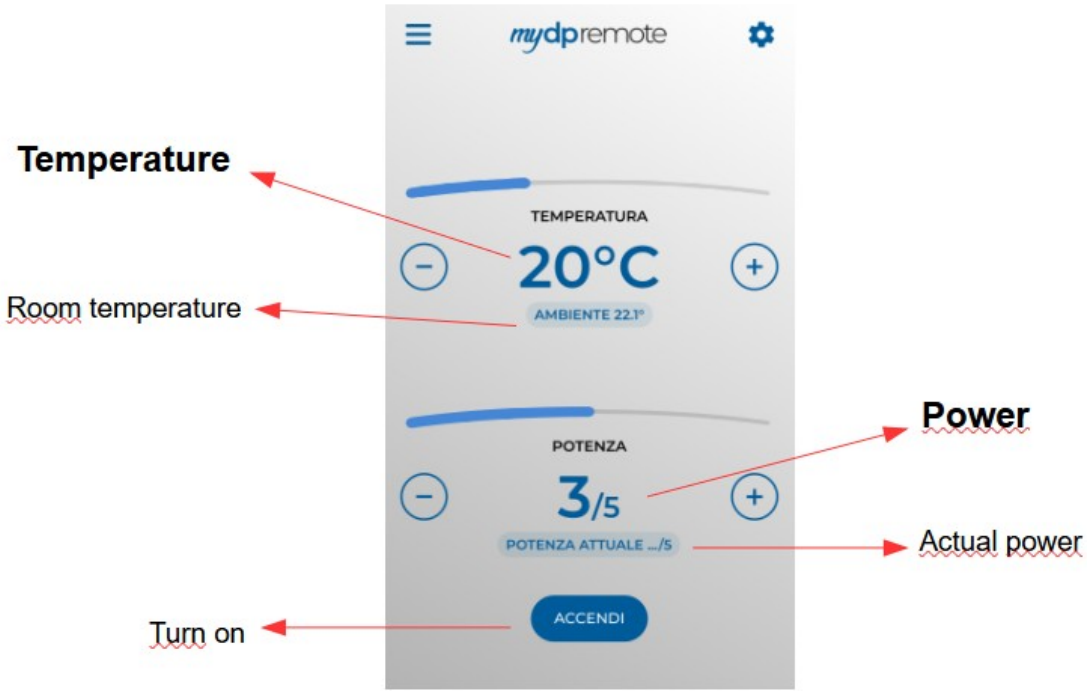
7.

ATTENTION! Up to 3 remote devices can be inserted in the MyDPRemote app and 5 in the MyDPRemote app. The application will only handle the connection selected from the checked box or the selection bar.

ATTENTION! The "**Stove Name**" field allows you to insert only **15** characters; it's an optional field of description.

8. Press the "**Save**" button to save the settings and return to the main page;

9. At this point, the application will try to connect to the WiFi module. If the fields are filled correctly, you can control your stove with the following panel:



10. The application is now connected to the WiFi module. If this not happened, re-configure the application and control carefully the inserted data. Eventually see the **Par. 13** for troubleshooting.

11 Set the temperature

By default, the app is set to a maximum temperature of 40°C. If you use it with boilers where it is necessary to have a higher temperature, you can increase it as follows:

1. Press for about 15 seconds the area shown by the red circle:

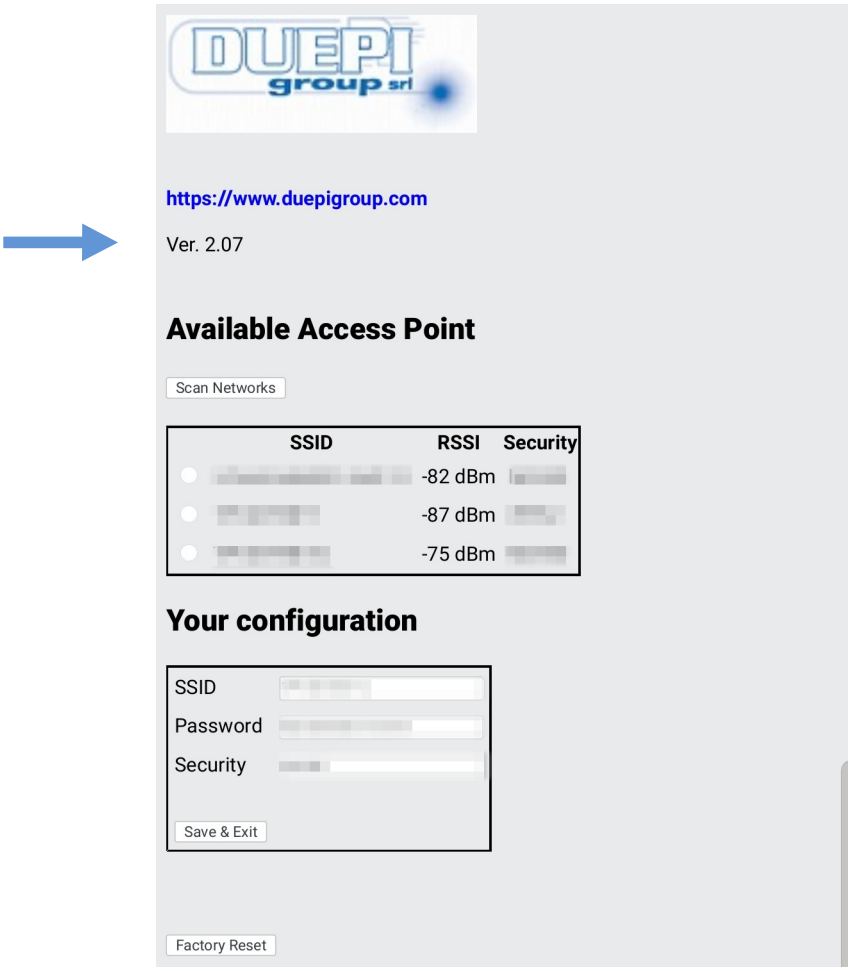
2. Set the maximum set temperature and confirm with the button below.

3. You can now set the working temperature up to the new maximum setting.

12 Connecting Alexa App

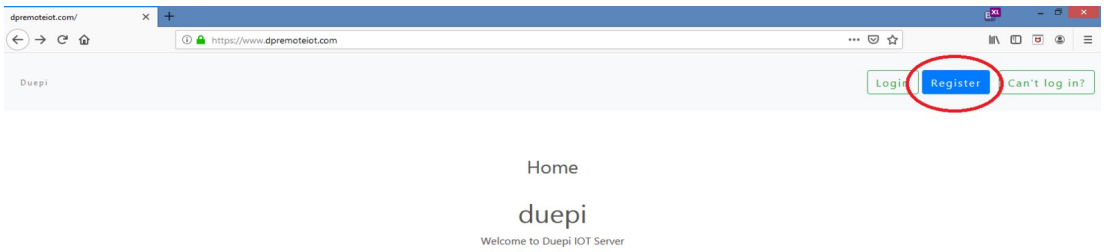
Click the following link to find more information about the product's evolution:
https://duepigroup.com/en/m1_informations_page/

You can also control your wifi module's firmware version in its configuration page:



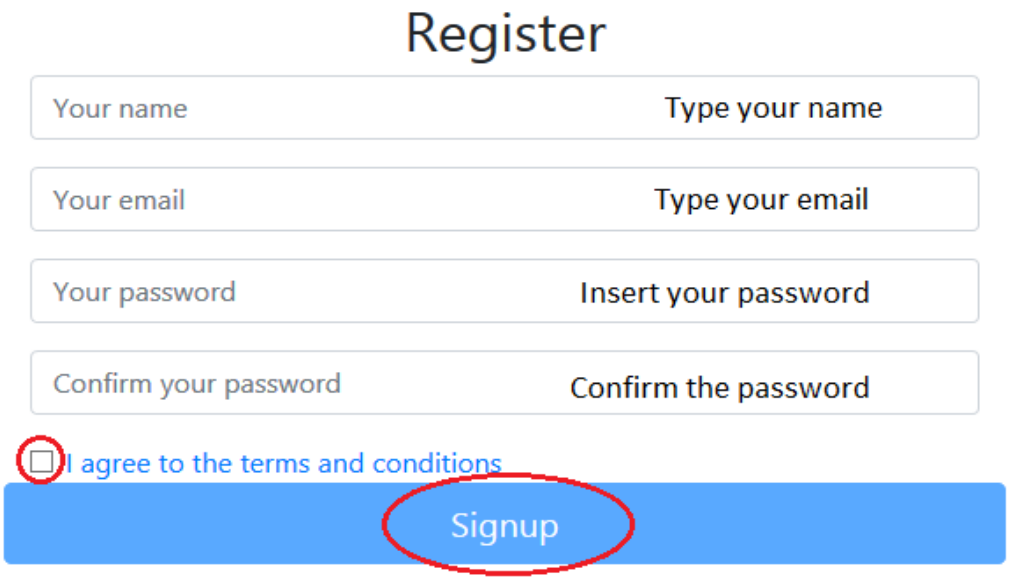
IoT server registration

To connect to the Alexa app, first you have to register youserlf in the server https://www.dpremoteiot.com. Click on “Register” to start.

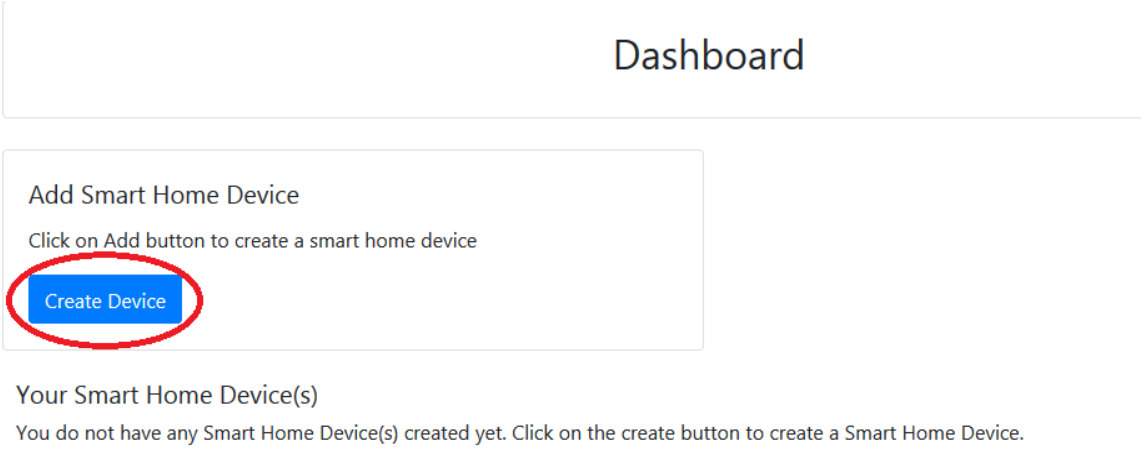


First of all, it's necessary to fill the blank spaces with your name, your email and your password, as shown in the picture down below. Confirm the password and agree the terms and conditions.

Then click on “Signup” to continue.

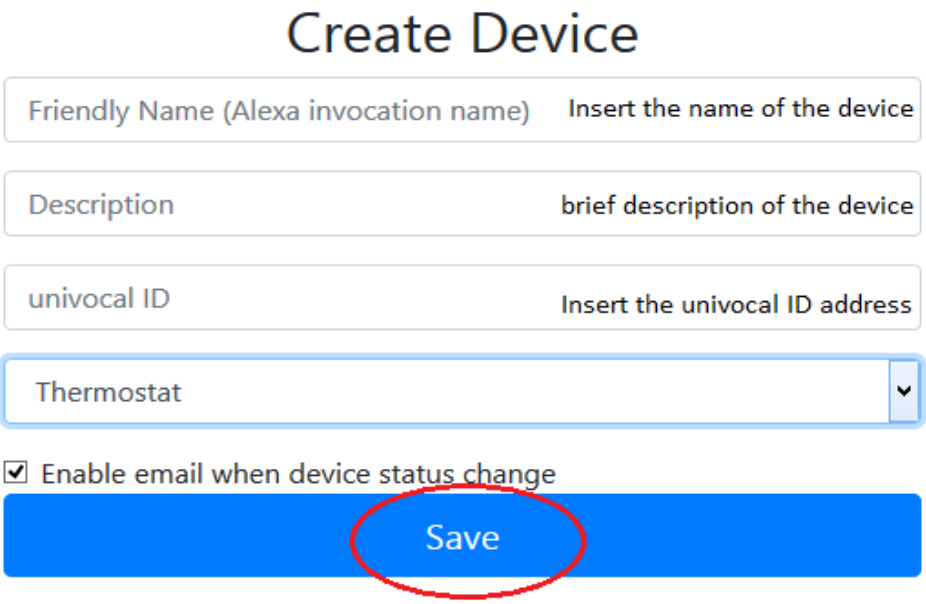


After, click on “Create Device” to create a new device.



To create a new device, insert in the blank spaces the name of the device, a brief description of the device itself and the unique code, a code written on the back of the wifi module.

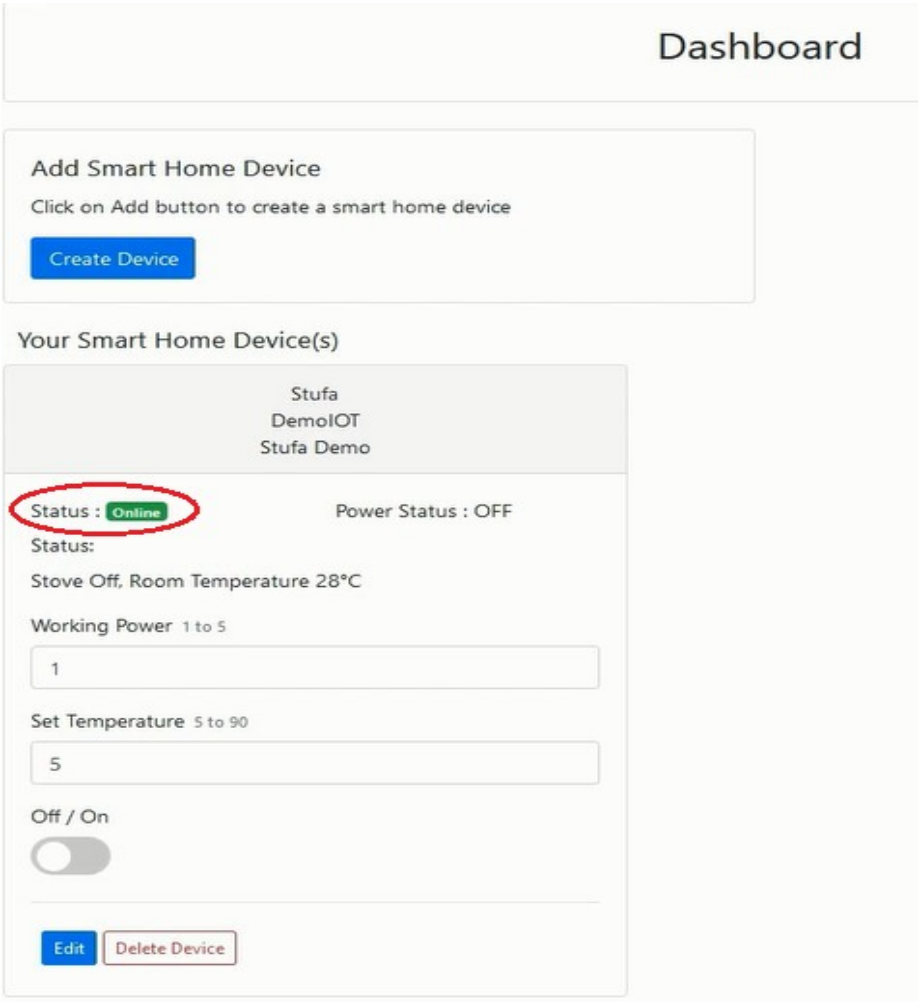
Then click on “Enable email when device status change” and save.



Once saved, you will be able to see your device in the Dashboard, where you can add up to three

devices.
When the process is done, restart the wifi module and after two minutes the stauts will change from offline to online.

At this point you will be able to send commands to the stove also using the Dashboard.



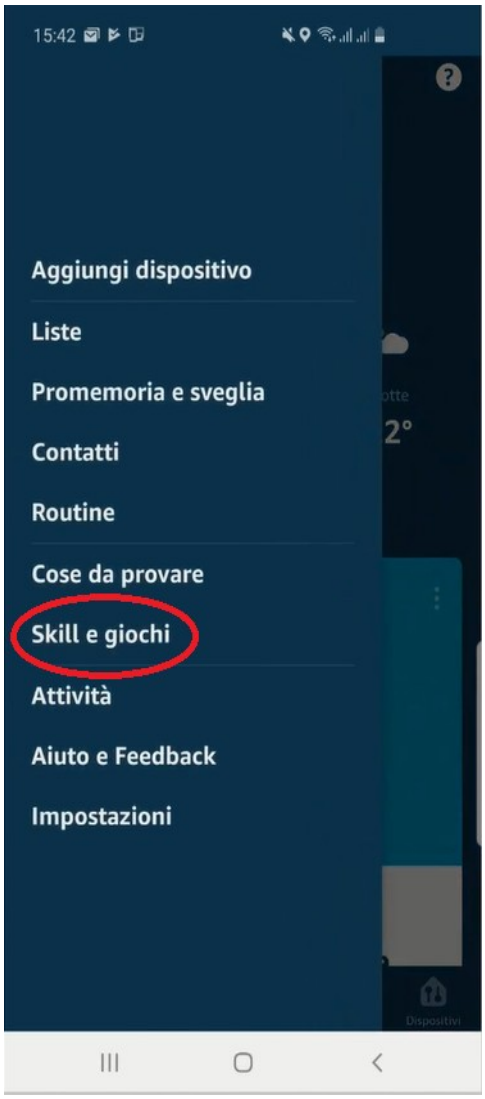
Configure the Alexa App.

Open the Alexa application and select from the menu “skill and games”.

Type in the search bar the name of the skill,

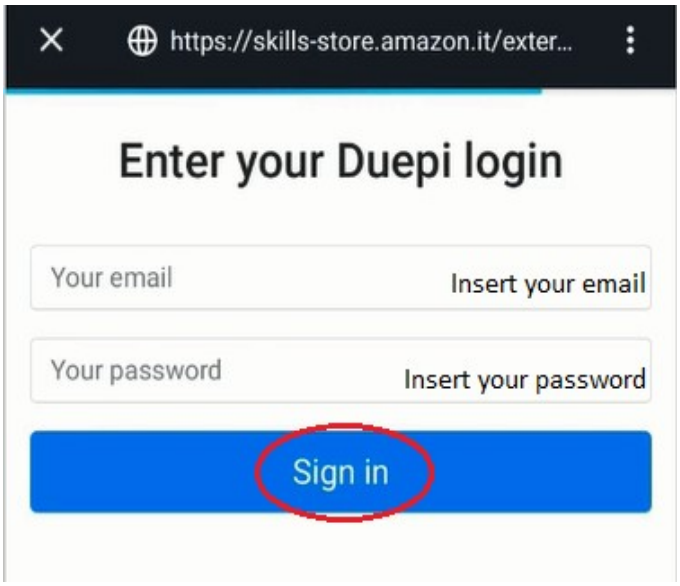
in this case “Dpremote”.

S

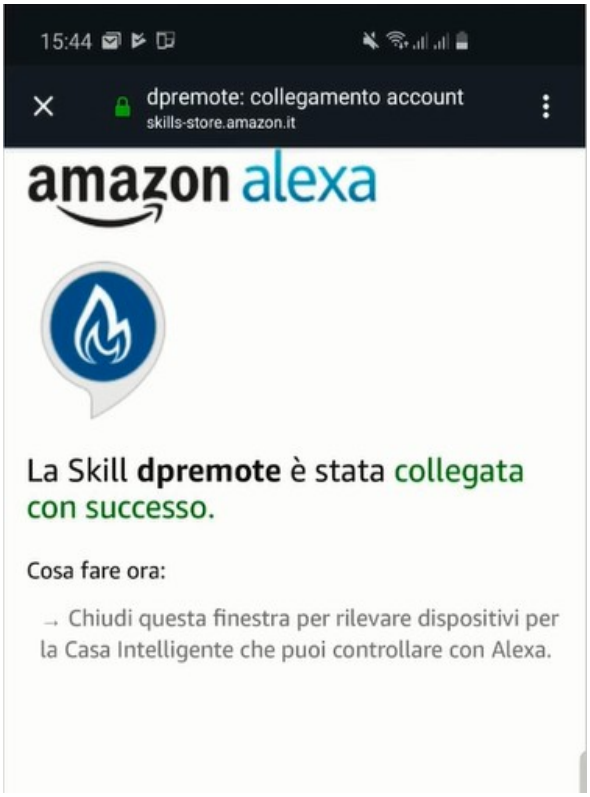


Select the Dpremote skill and then press “Enable use” to start.

After that, insert your email and password in the dedicated spaces.
Then press “sign in” to continue.



The skill now has been connected.
Close the screen to see the devices to control.



To see the devices, enter in the skill's page and click on “settings”. Then press on “discover devices”. Alexa will search the devices and the entire operation may last more than 20 seconds.

The operation will be finished when this screen will appear: Alexa has found a thermostat.
Now it's necessary to configure the devices.

To configure the devices, click on

“All devices”. Then select the device, set

it ON/OFF and choose the temperature.

13 Troubleshooting

Q: The module doesn't power up itself.

A: Control if the module is correctly connected to the stove.

Q: After pressing the "**WS**" button I can't find the WiFi module's network.

A: Try to shut down and power up the WiFi on your device.

Q: I can connect to the module, but while I'm writing my WiFi network informations, I was disconnected.

A: The module wait for 10 minutes, after that reset itself. Reset the module by pressing the "**R**" button for few seconds, and try again the operation.

Q: I can connect to the module, but when I try to open its internet page, it disconnect itself.

A: Reset the module by pressing the "**R**" button for few seconds, and try again the operation.

Q: I can connect to the module, but I can't open the internet page to configure it.

A: Try to delete the cache of the internet program you are using and recharge the page. The way of how to do that change from program to program, control the web site for the modality.

Generally you have to delete the "**temp**" data.

Q: The configuration page of the module is shown, but if I press the **Scan Network** or **Save & Exit** button an error appear.

A: Try to delete the cache of the internet program you are using and recharge the page. The way of how to do that change from program to program, control the web site for the modality.

Generally you have to delete the "**temp**" data.

Q: After pressing **Scan Network** button, my WiFi network isn't in the list.

A: Try to approach the module to the router. Otherwise you can configure manually your WiFi network inserting the network name (SSID), security and password in the correct fields.

Q: When I press the **Save & Exit** button, the page shows an error on the network name SSID.

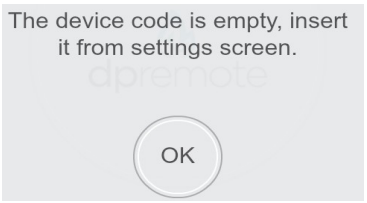
A: The module doesn't support network name and/or password with spaces. In this case you have to access to the configuration of your router and change the name/password of the network.

Q: I have configured the WiFi module, but it doesn't connect itself the the network, and the green and red LED are blinking.

A:

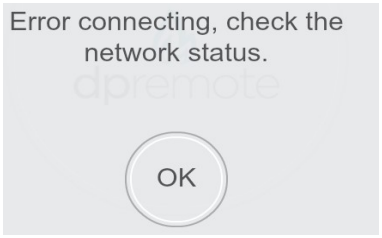
- Control if the network data used are correct.
- Try to approach the module to the router.
- Disconnect the module from the stove, wait some seconds and reconnect it.
- See the table at **Par 9**, which show the module functionality based on the LED status.

Q: After the configuration of DPRemote application, it shows me the following error:



A: Go to the settings (see **Par. 10**). Control the Device Code and the check-box selected.

Q: After the configuration of DPRemote application, it shows me the following error:



A: Control that the module has the green LED on solid and the red LED OFF.

Control if the smartphone that you are using is connected to internet.

Control if you have inserted the correct "**Device Code**".

Q: I can't find an answer in these FAQ.

A: Try to disconnect the module from the stove, wait some seconds, reconnect it to the stove and repeat the configuration of the module and/or the application.

14 Technical Wifi features

WiFi frequency band 2.412 GHz to 2.484 GHz
Wi-Fi standard IEEE 802.11b/g/n (channels 1 to 14)
Supported communication protocols:
802.11b: 1, 2, 5.5, or 11 (Mbit/s)
802.11g: 6, 9, 12, 18, 24, 36, 48, or 54 (Mbit/s)
802.11n: HT20 MCS0 to MCS7
Security:WPA, WPA2, WPA3
Antenna type PCB antenna typical gains 1.5 dBi
Usage temperature: 0°C - 45°C
Humidity: 10% - 85%
Power supply: DC 5V/220mA
Max Power: 16dBm Max

Supported Operating Systems: iOS 8.0 or higher, Android 4.0 or higher.

15 Declaration of Conformity

CE

EMC 2014/30/UE [CEI EN 61000-6-1:2007-01 CEI EN 61000-6-3:2007-01]
LVD 2014/35/UE [CEI EN 60335-1:2013-05]
RAEE 2012/19/UE
ROHS 2011/65/UE
Wi-Fi:
CE TCF-672CC17 ETSI EN300 328 V2.1.1
EMC Draft ETSI EN 301 489-1 V2.2.0
Draft ETSI EN 301 489-17 V3.2.0
(Radio Equipment Directive) RED 2014/53/UE
(Radio Equipment Directive) RED BS EN 18031-1:2024
FCC 2AC7Z-ESPWROOM02 Rule Part: 15C
Wi-Fi WFA63622 Wi-Fi CERTIFIED™ b, g
WPA™ – Enterprise, Personal
WPA2™ – Enterprise, Personal
Wi-Fi Protected Setup™

16 Information on product disposal

The symbol means that this product at the end of its life must be disposed of separately from normal household waste. Please note that it is your responsibility to dispose of electronic equipment at recycling centers to help conserve natural resources.