

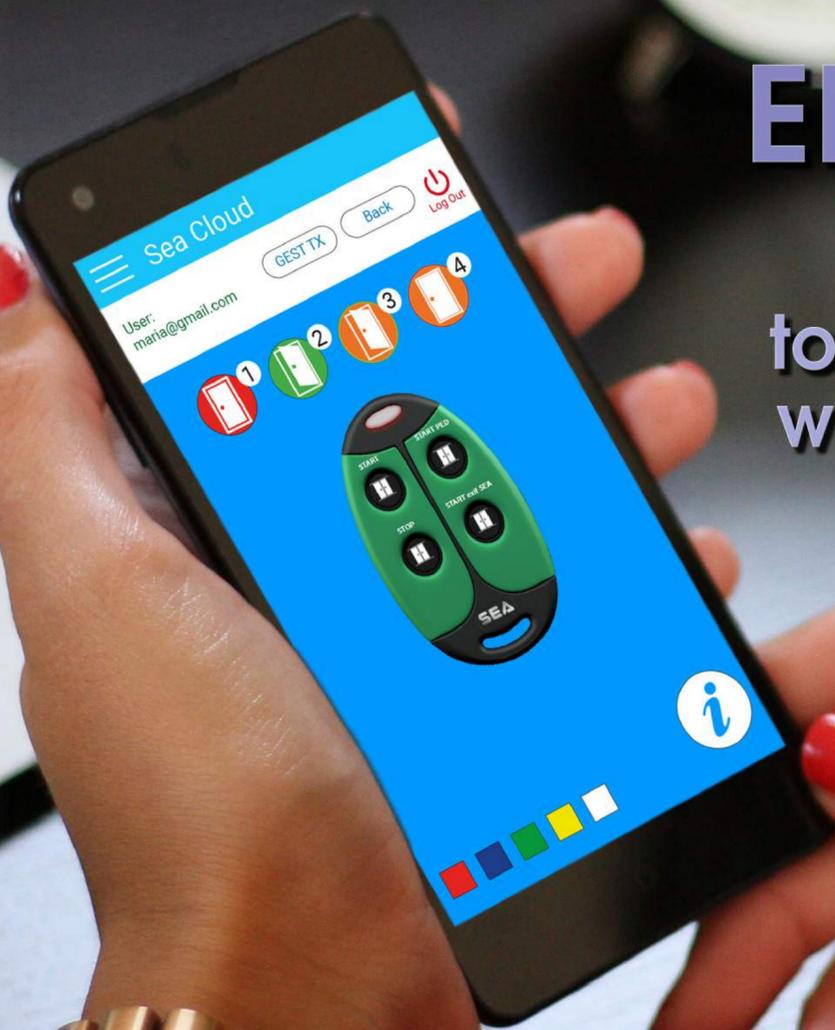
# SEA CLOUD BOARDS



## PROFESSIONAL INSTALLER



to program  
Control Units  
wherever you are



## END USER

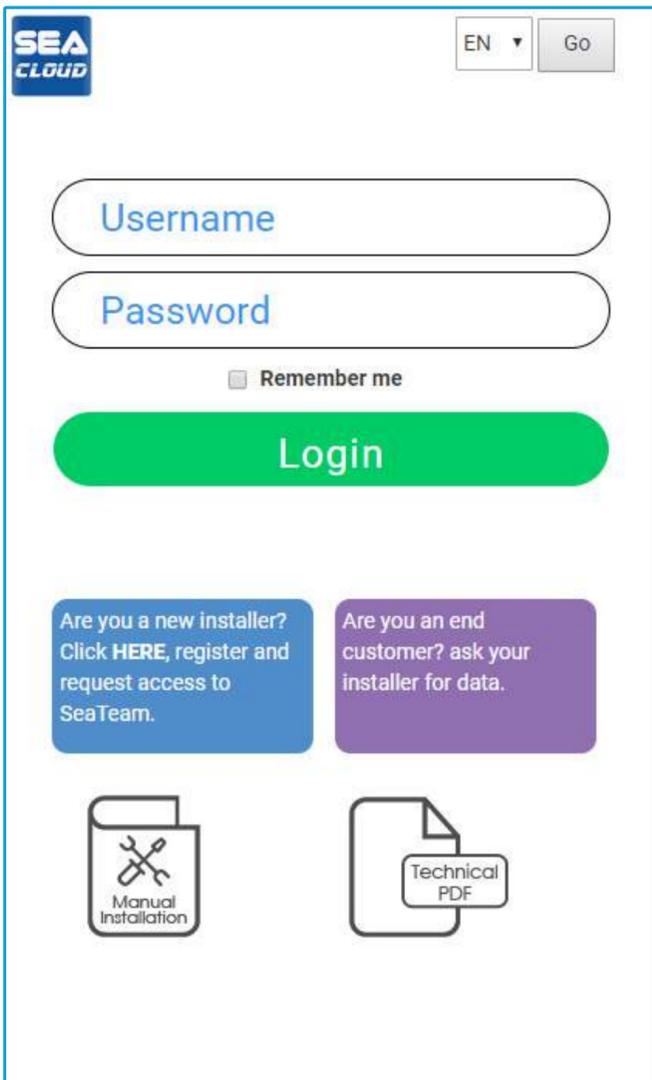


to open your gate  
wherever you are

<b>Installer Guide</b>	<b>Pag. 3</b>
<b>LAN Cable configuration</b>	<b>Pag. 5</b>
<b>Powerline Adapter configuration</b>	<b>Pag. 5</b>
<b>Wi-Fi configuration</b>	<b>Pag. 6</b>
<b>3G configuration</b>	<b>Pag. 8</b>
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<b>Sea Cloud Board</b>	<b>Pag. 14</b>
<b>Do you want to associate your Clients to your final site?</b>	<b>Pag. 15</b>
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Are you a new Installer?  
Click on the box to register and request access.

Only the first time!



SEA CLOUD EN Go

Username

Password

Remember me

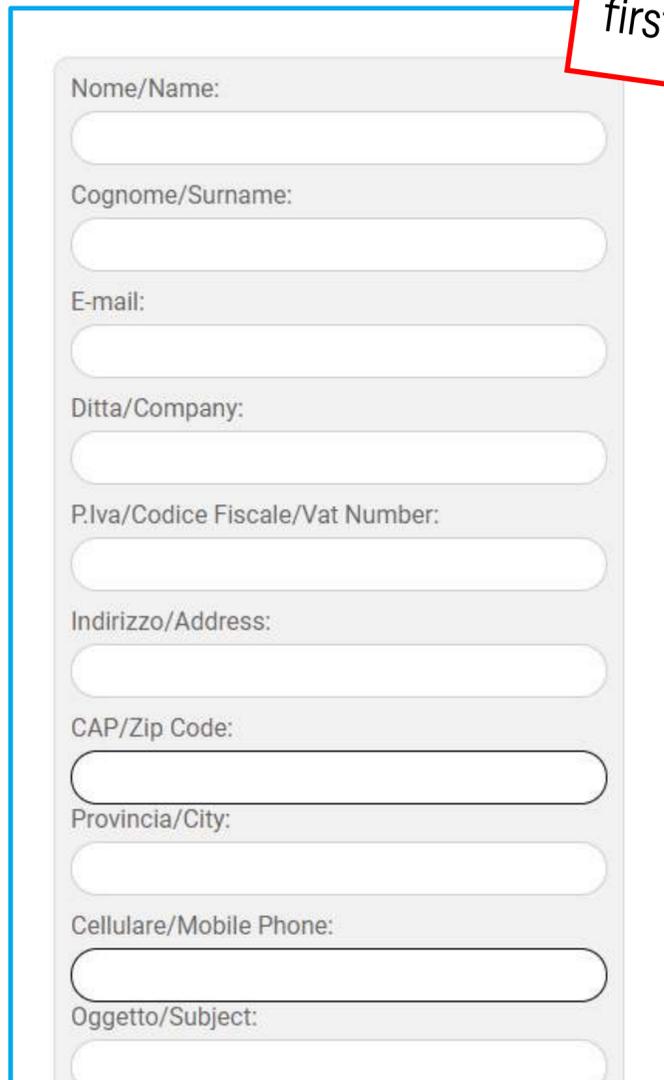
Login

Are you a new installer?  
Click **HERE**, register and request access to SeaTeam.

Are you an end customer?  
ask your installer for data.

Manual Installation

Technical PDF



Nome/Name:

Cognome/Surname:

E-mail:

Ditta/Company:

P.Iva/Codice Fiscale/Vat Number:

Indirizzo/Address:

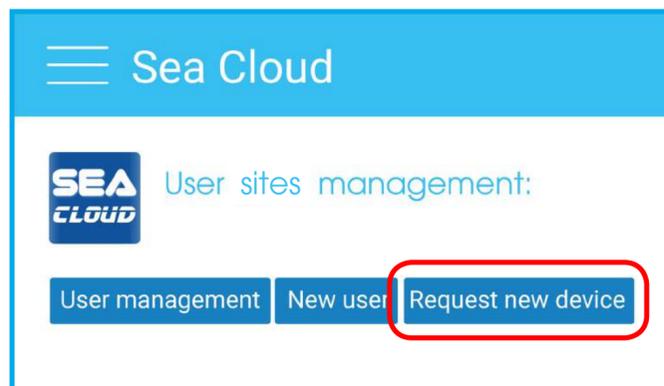
CAP/Zip Code:

Provincia/City:

Cellulare/Mobile Phone:

Oggetto/Subject:

You will receive an email from SEA with your user name and password.  
Enter them.  
Now request a new device:

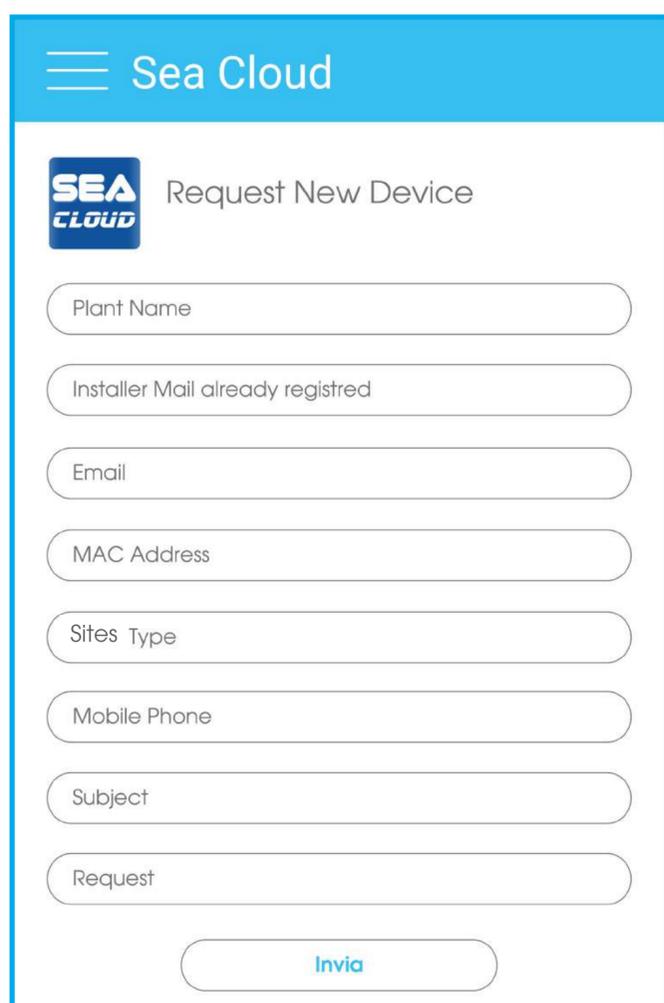


Sea Cloud

User sites management:

User management New user **Request new device**

Fill in the form, you can find the MAC address here:



Sea Cloud

Request New Device

Plant Name

Installer Mail already registred

Email

MAC Address

Sites Type

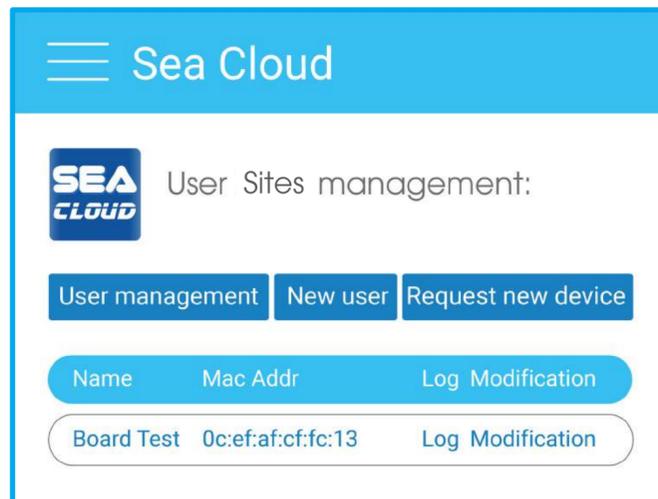
Mobile Phone

Subject

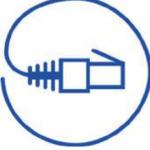
Request

Invia

You will receive a confirmation email by SEA.  
After that your device is available into the list of your Sites.



Now, it's time to connect the router to the gate, choose the method you prefer:

- 1 **LAN Cable** 
- 2 **Powerline Adapter** 
- 3 **Wi-Fi** 
- 4 **3G Sim Card** 

Each type of configuration can be performed by any type of device.

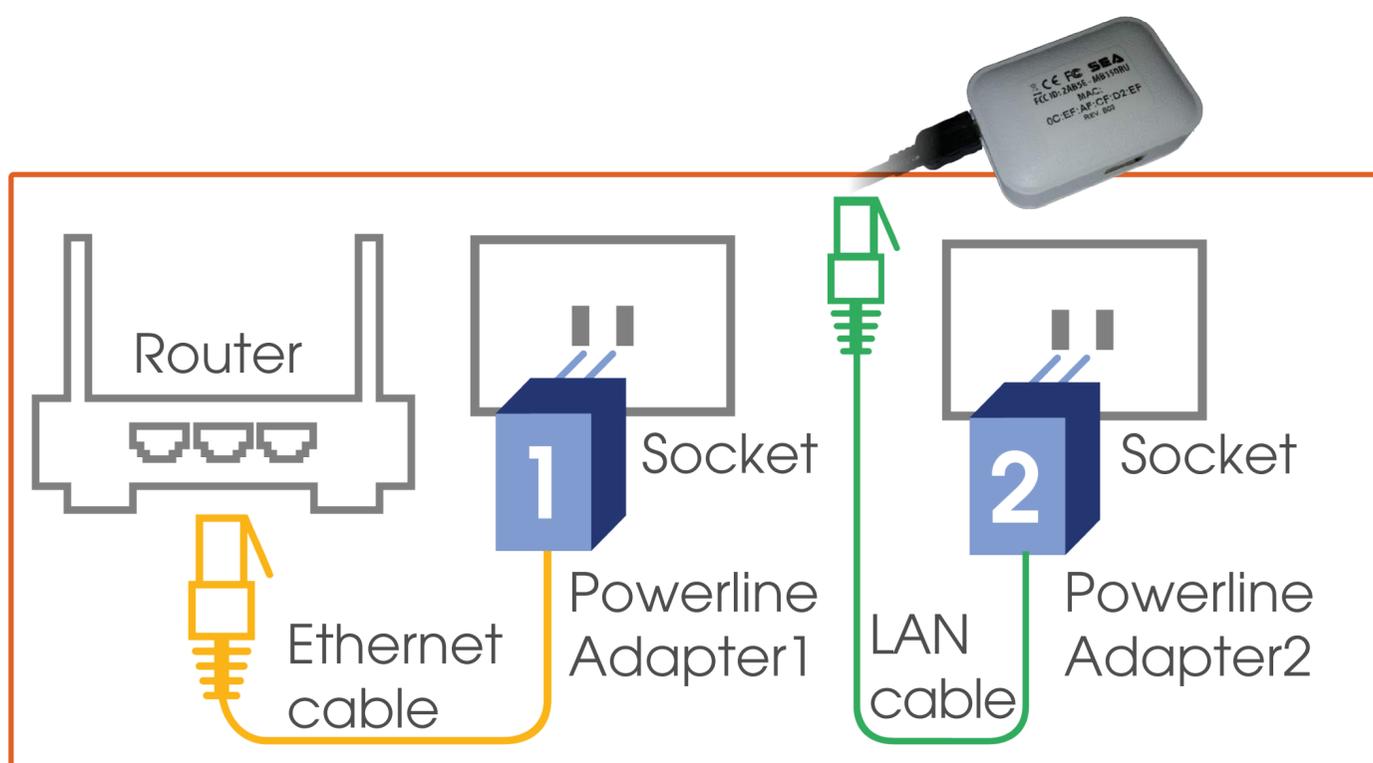
## LAN Cable configuration

If your home router has DHCP enabled, just connect the Ethernet cable to the LAN socket.

Connect the router to the socket and wait that the light becomes fixed.

Didn't you connect the LAN cable to the router?  
You can do it through a Powerline Adapter!

## Powerline Adapter configuration

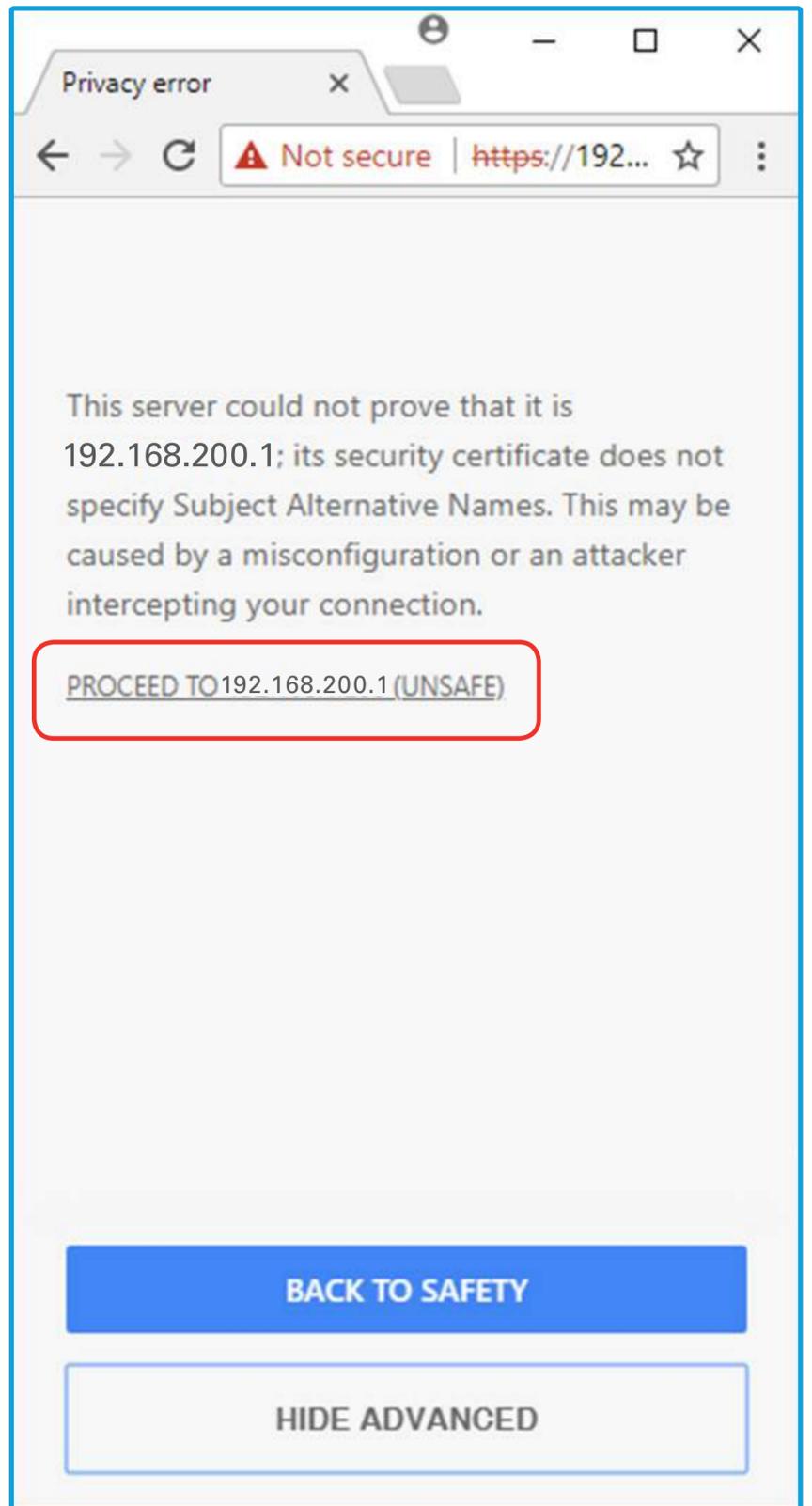
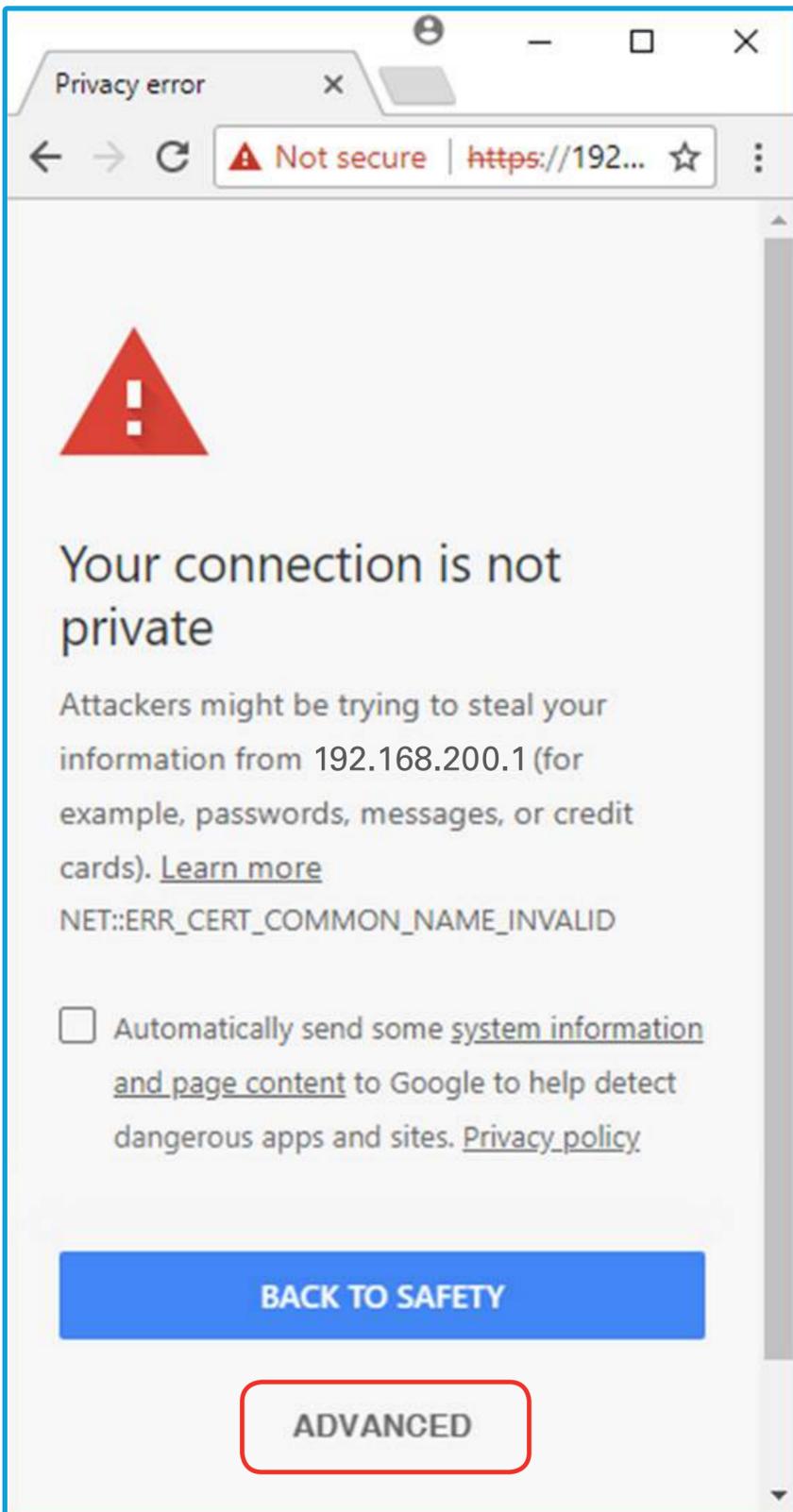


Connect the LAN cable into LAN entry of the router.

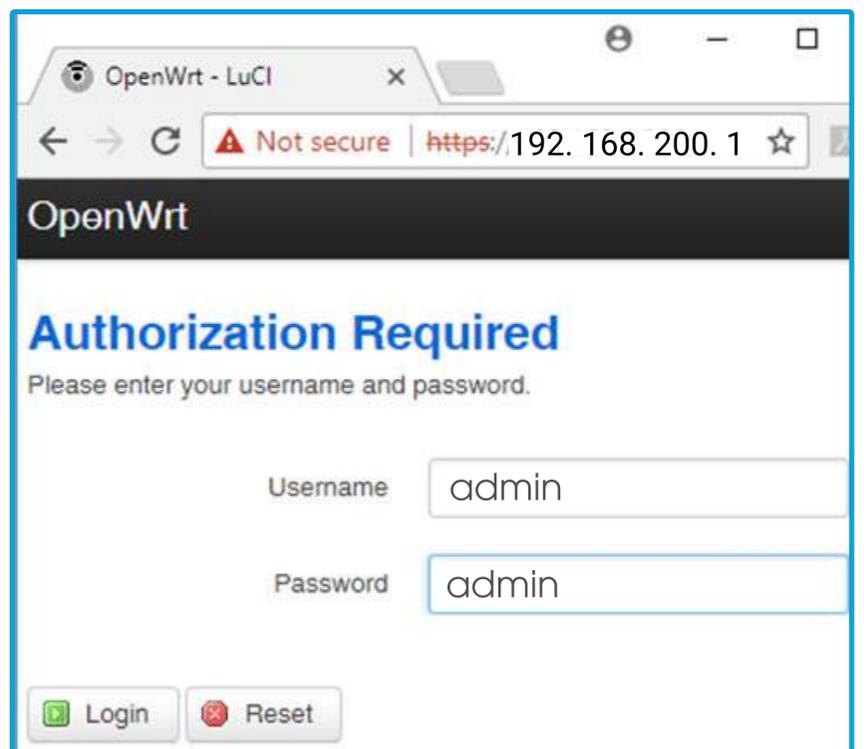
# Wi-Fi configuration

1. Connect the router to the socket and wait that the light becomes fixed
2. User your phone or PC, to find Wi-Fi network of SEA Cloud Board o Mobile
3. Enter into Wi-Fi of the device and insert the password SEACLOUD
4. Click on the Wi-Fi you prefer
5. Open any browser, write the IP: 192.168.200.1 and press ENTER

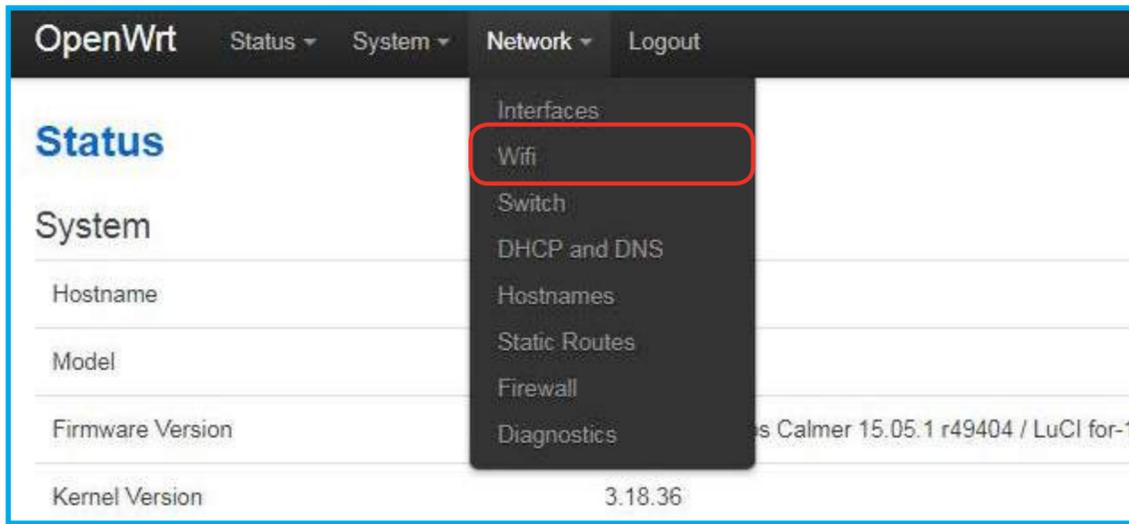
Click on "Go to this web page (Choice not recommended)"



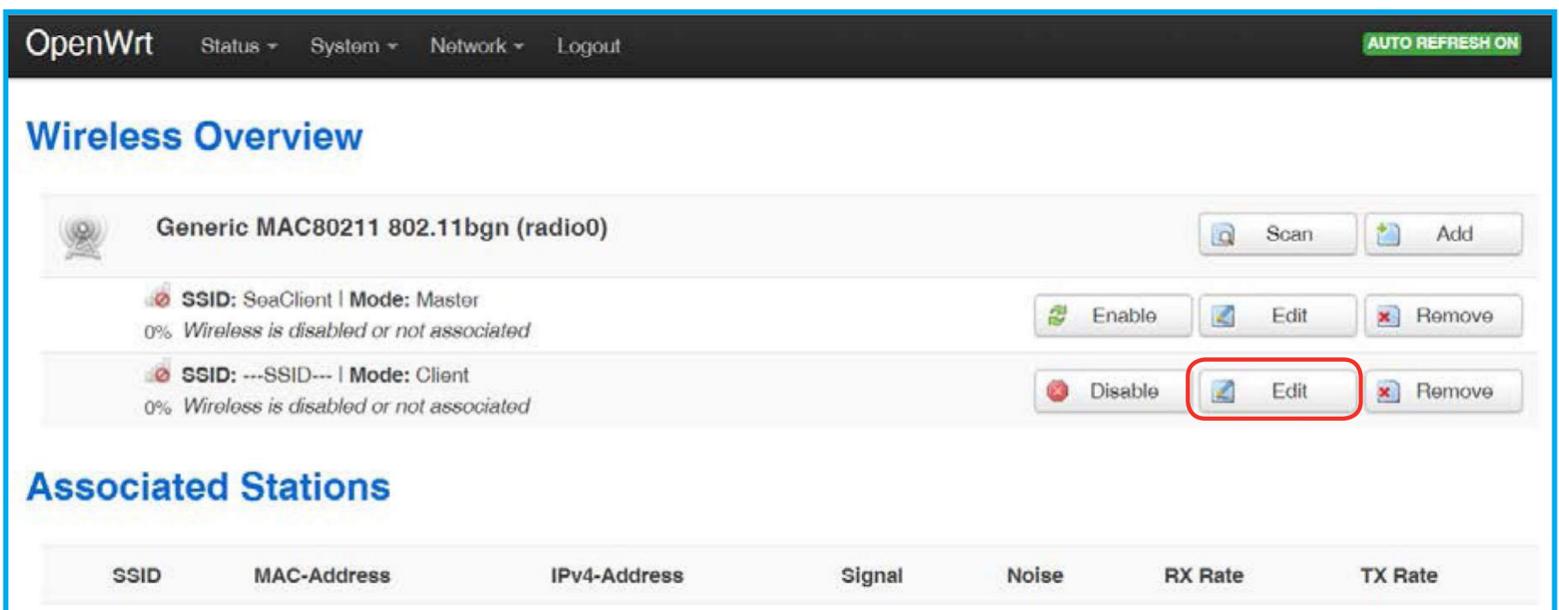
1.3 Enter the following default credentials and press ENTER (the password can be changed later):  
 Username: admin  
 Password: admin



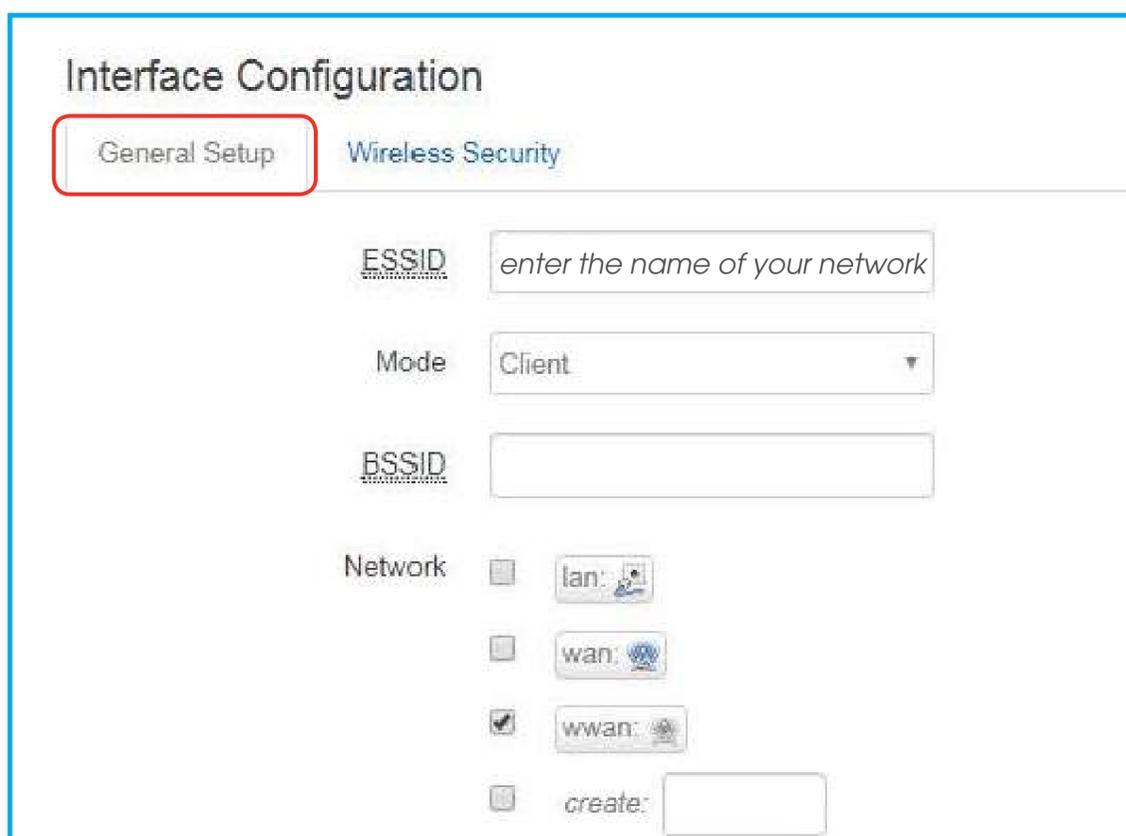
Click on "Network" and "Wi-Fi"



Click on "Edit" and enter the name of network SSID and password of domestic/business Wi-Fi



Go to "General set up" enter the name of network (SSID) of domestic/business router on ESSID.



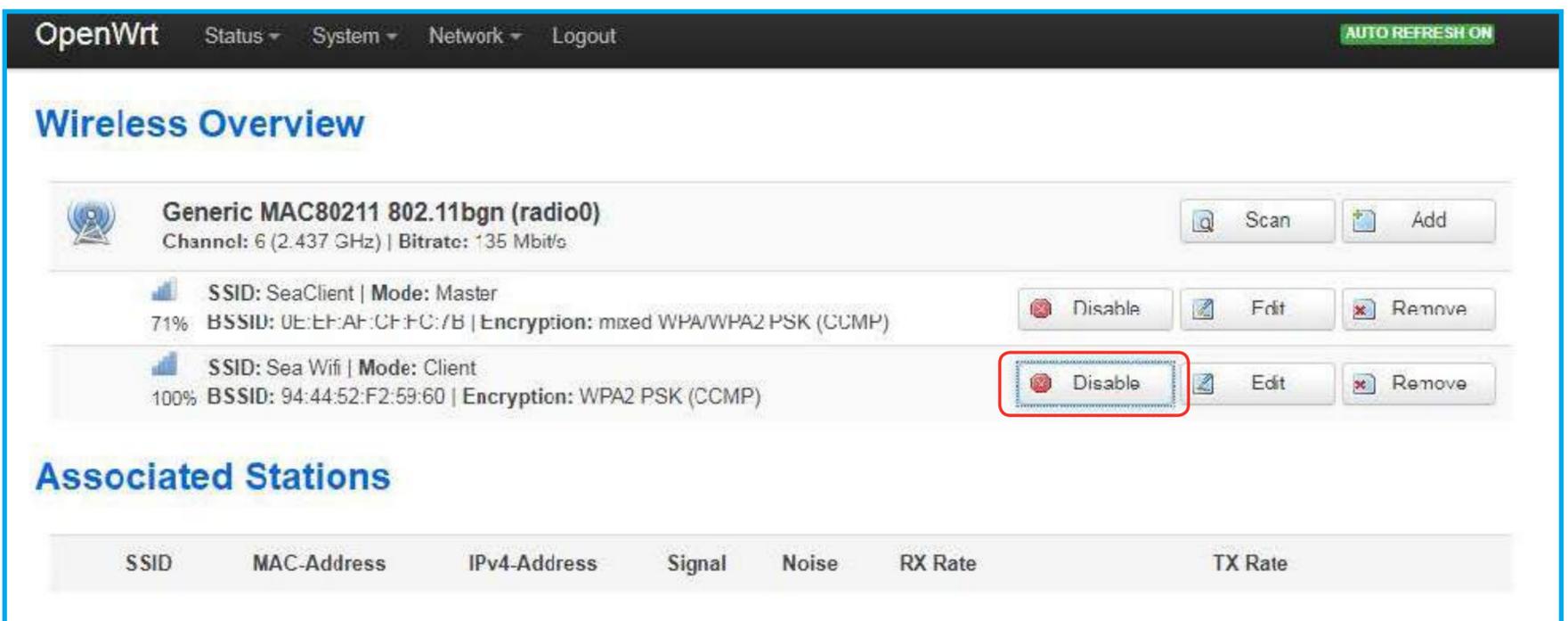
Click on "Wireless Security" enter the Wi-Fi password of router and click on "Save & Apply"



Go back to "Network", click on "Wi-Fi" and on ENABLE of client Wi-Fi network



After the operation the following screen appears to confirm Wi-Fi enabling



Next, turn the router off and on again.

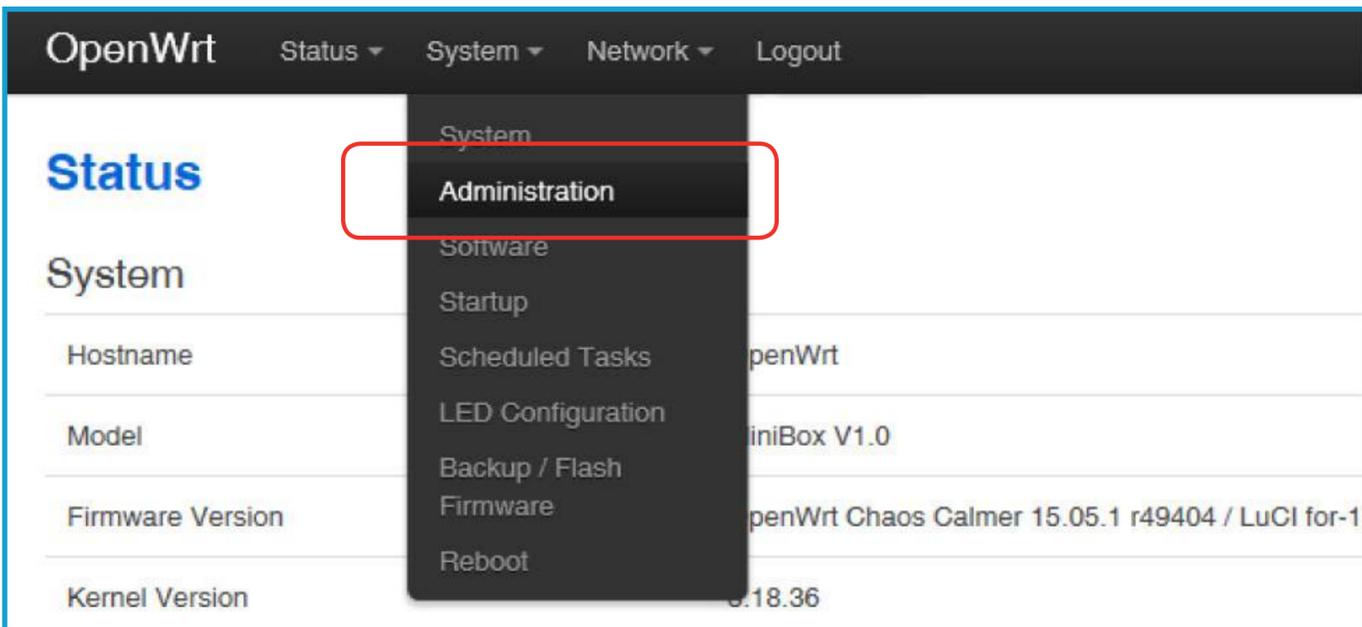
You do not have Wi-Fi?  
You can use a 3G dongle USB!

## 3G configuration

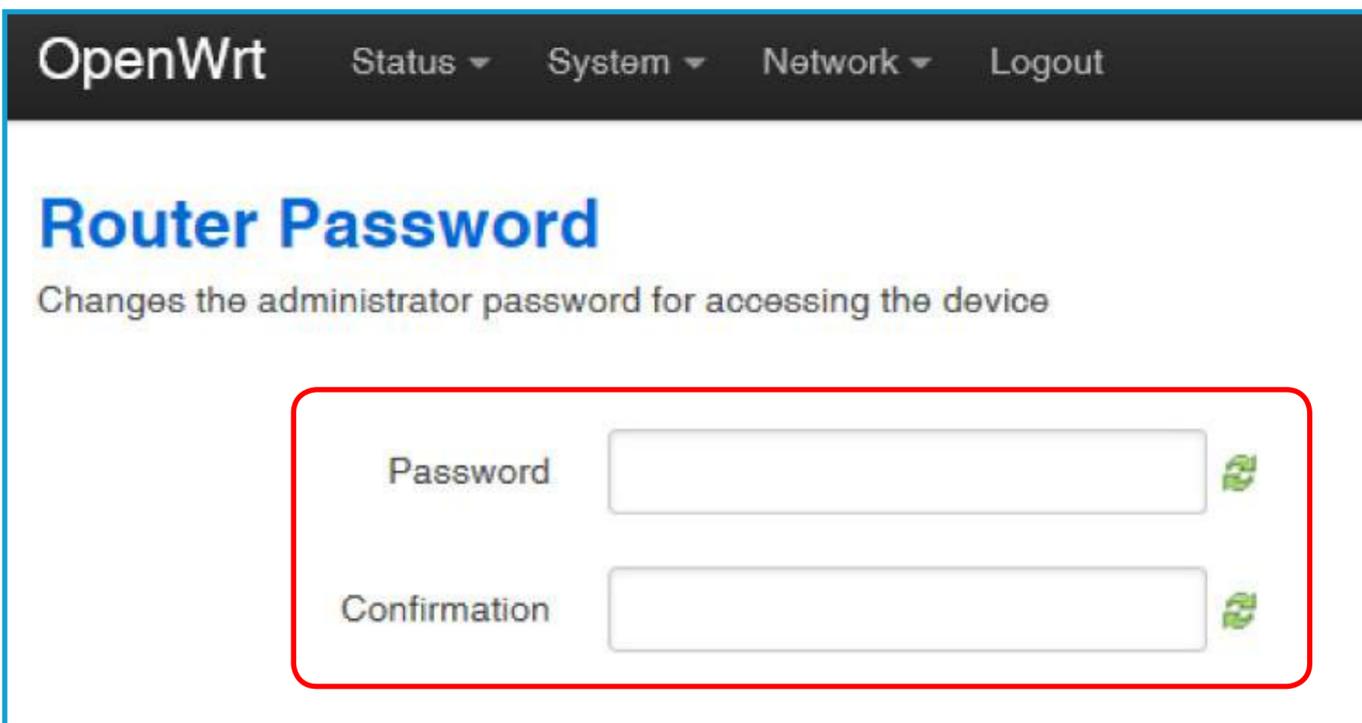
Insert the USB and follow the same steps as for the Wi-Fi configuration.

## Change router password

To change the password go to “System” and click on “Administration”:



Enter the new Password in the fields “Password” and “Confirmation”



and click on “Save & Apply”



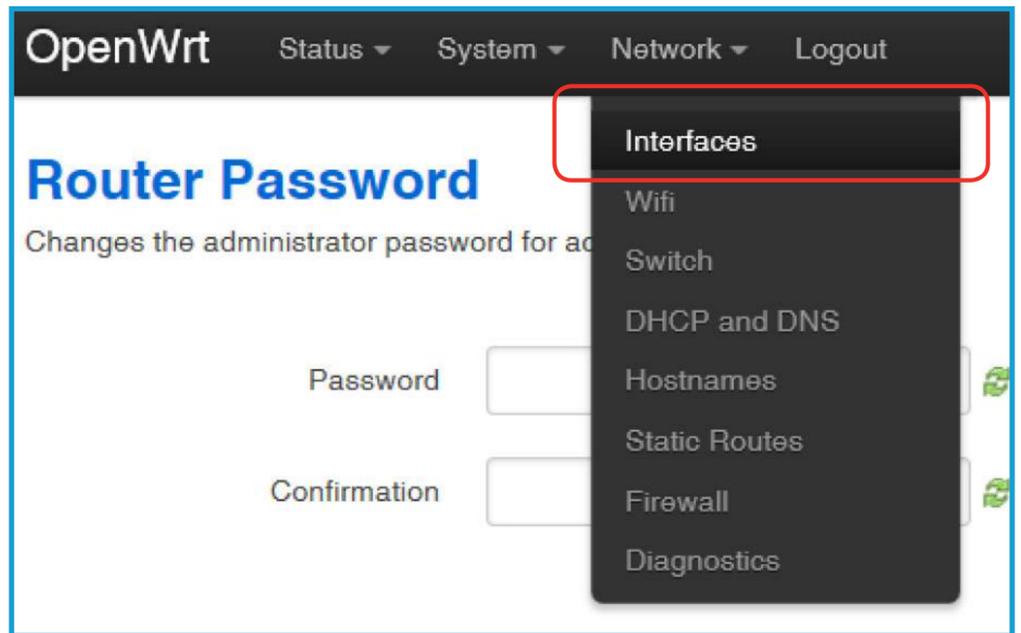
# LAN Network Special configuration

*only for expert users*

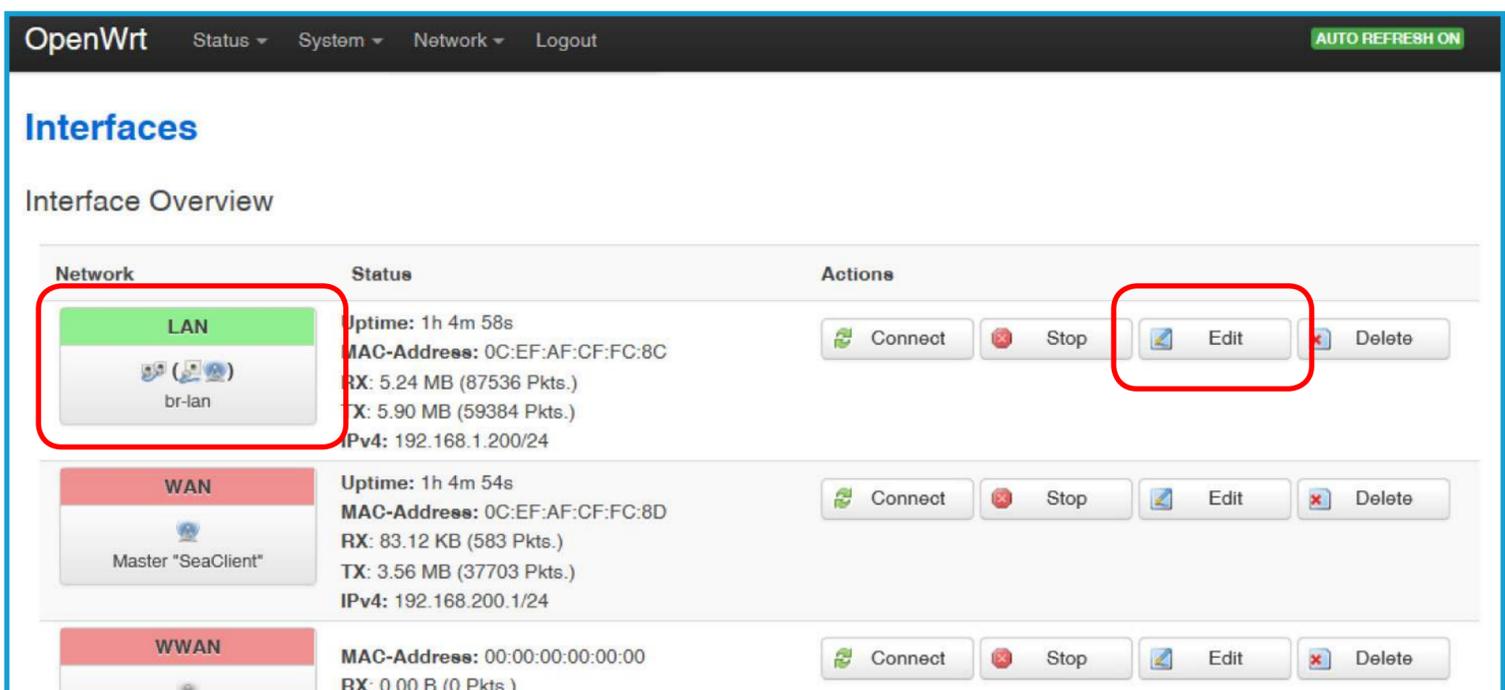
*and if you don't have the previous configuration*

LAN network configuration with static IP  
(use with ethernet cable and net with static IP)

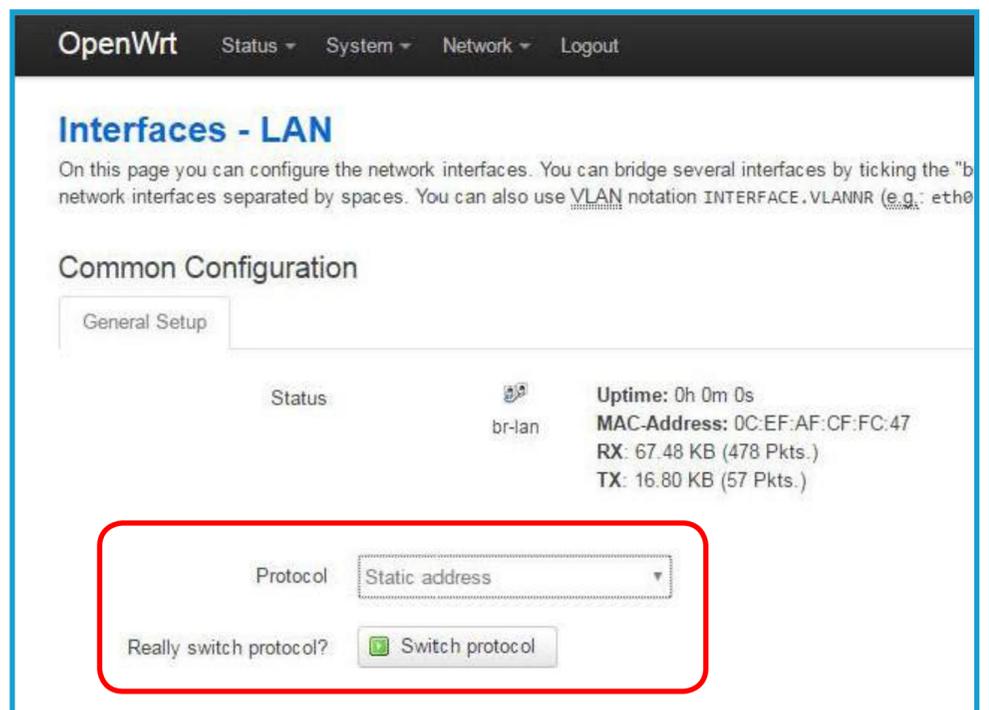
To change the LAN network configuration (default with DHCP client enabled) go to "Network" and click on "Interfaces":



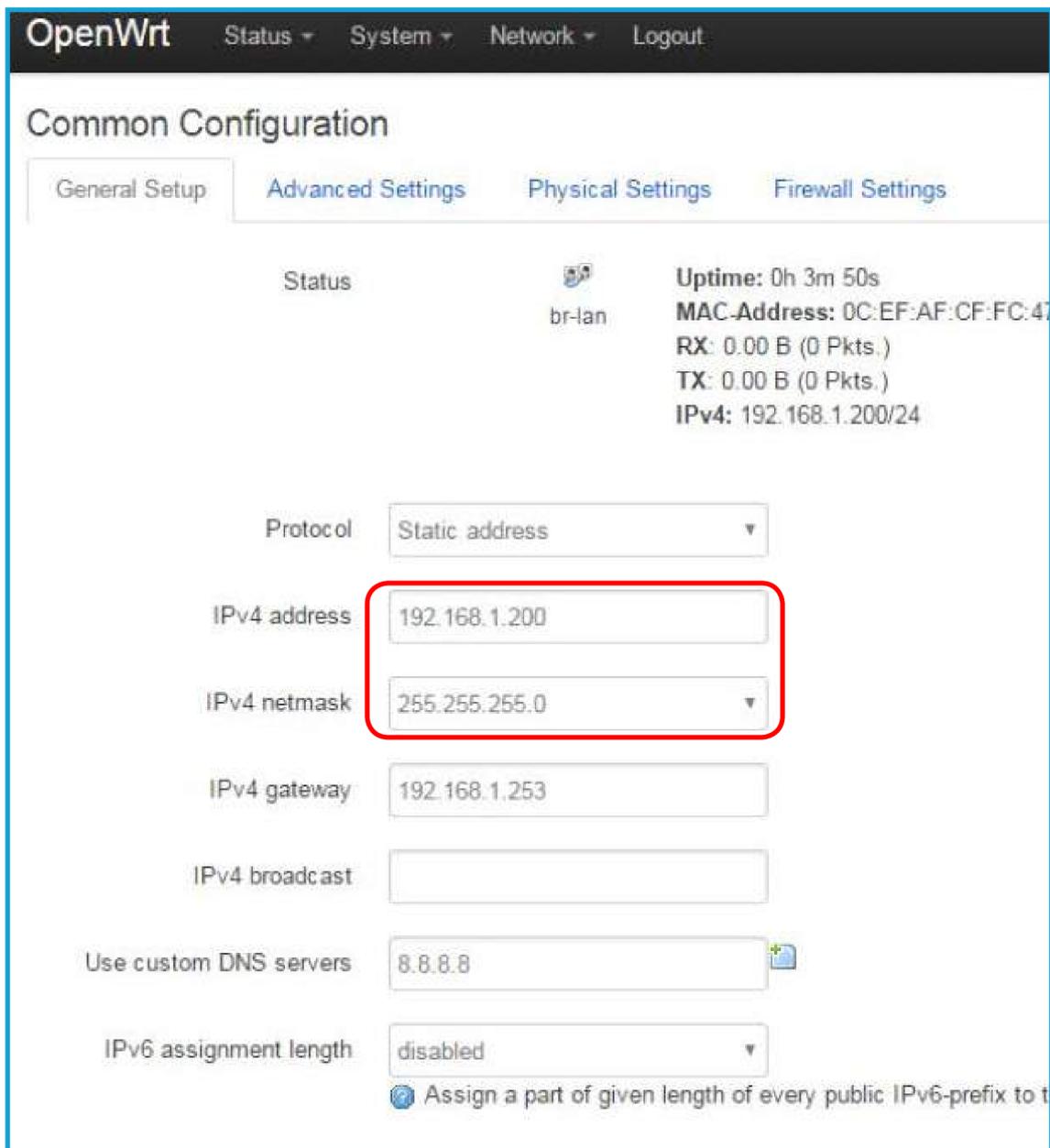
Go to "LAN" and click on "Edit"



Change on "Protocol" from "DHCP client" to "Static address" and click on "Switch protocol"  
(You are using the protocol IPV4):



On the next screen, enter the required data



- Enter the IP to be assigned on the IPV4 address (in this example 192.168.1.200)
- On IPV4 netmask: 255.255.255.0
- On IPV4 Gateway the IP of related Gateway (example 192.168.1.1)
- On use custom DNS servers use: 8.8.8.8
- On IPV6 assignment length: disabled if not using the IPV6 protocol, otherwise fill in the relevant fields

Finally click on "Save & Apply"



To enter the router, from the LAN, use the new IPV4 address assigned by SEA, and not the default IP used previously.

Once configured, the device also has a Wi-Fi network that can be used as a repeater (not a mandatory task, it is configured only if an external network near the installed device is desired).

To configure it, you need to set up the Bridge between LAN and WAN. This option can be useful if you need to install another "SEA Cloud" nearby.

Click on "Physical Settings" and tick the following data:

- Ethernet Adapter "eth0" (LAN)
- Wireless Network Master "SEA Client" (LAN, WAN), where the SEA Client may have another name in case you change the name of the WAN Network.

## Interfaces - LAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of network interfaces separated by spaces. You can also use VLAN notation `INTERFACE.VLANNR` (e.g.: `eth0.1`).

### Common Configuration

General Setup    Advanced Settings    **Physical Settings**    Firewall Settings

- Bridge interfaces   creates a bridge over specified interface(s)
- Enable STP   Enables the Spanning Tree Protocol on this bridge
- Interface   Ethernet Adapter: "eth0" (lan)
-  VLAN Interface: "eth0.1"
-  Ethernet Adapter: "eth1"
-  Wireless Network: Master "SeaClient" (lan, wan)
-  Wireless Network: Client "---SSID---" (wwan)
-  Custom Interface:

Click on "Save & Apply"

Save & Apply

Save

Reset

It is necessary to set the IPV4 GATEWAY on the network (example 192.168.1.1)

Go to "Network", click on "Interfaces" and in the new page click on "Edit"

OpenWrt    Status ▾    System ▾    Network ▾    Logout    AUTO REFRESH ON

## Interfaces

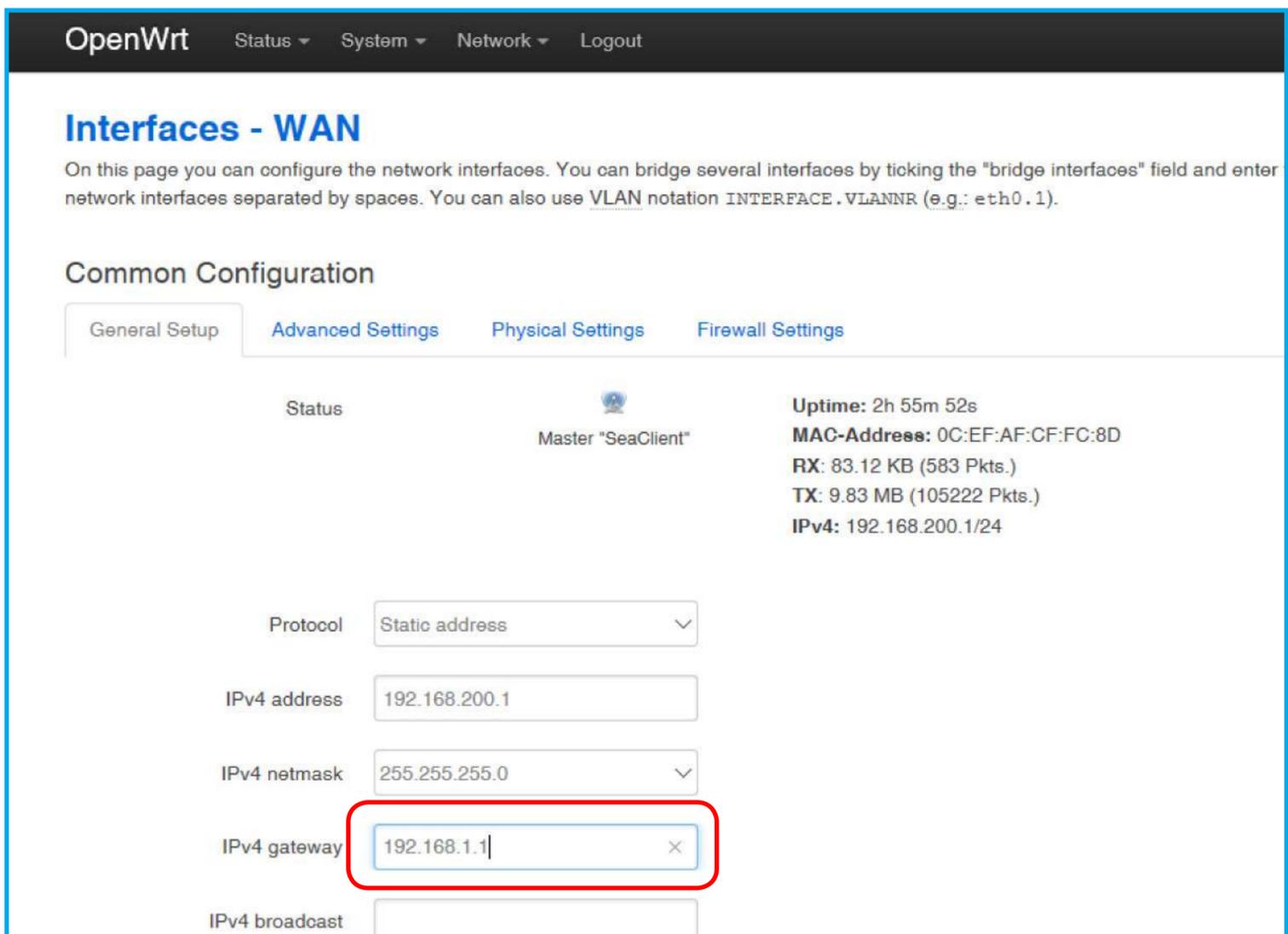
Interface Overview

Network	Status	Actions
<b>LAN</b>  br-lan	Uptime: 1h 4m 58s MAC-Address: 0C:EF:AF:CF:FC:8C RX: 5.24 MB (87536 Pkts.) TX: 5.90 MB (59384 Pkts.) IPv4: 192.168.1.200/24	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
<b>WAN</b>  Master "SeaClient"	Uptime: 1h 4m 54s MAC-Address: 0C:EF:AF:CF:FC:8D RX: 83.12 KB (583 Pkts.) TX: 3.56 MB (37703 Pkts.) IPv4: 192.168.200.1/24	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
<b>WWAN</b> 	MAC-Address: 00:00:00:00:00:00 RX: 0.00 B (0 Pkts.)	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

Please note that "Use custom DNS servers" is the same as the one shown in the LAN network. It must be same as it must be the one for IPV4 Gateway. From the IPV4 of our Wi-Fi network we note that the IP, in our example, is 192.168.200.1; If we connect via Wi-Fi to our device and we want to get into the router we have to enter this IP considering any new password used.

After completing this procedure, our device is configured to receive the Internet through the Ethernet LAN Cable and provide the Internet via the Wi-Fi network which is called "SeaClient" by default with the password "seacloud".

If you want to change ESSID go to "Network", click on "Interfaces" and in the new page click on "Edit":



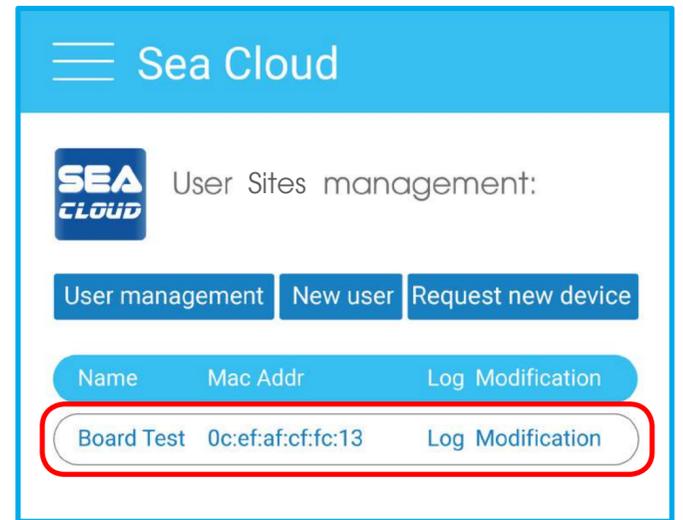
The screenshot shows the OpenWrt web interface for configuring WAN interfaces. The page title is "Interfaces - WAN". Below the title, there is a "Common Configuration" section with four tabs: "General Setup", "Advanced Settings", "Physical Settings", and "Firewall Settings". The "Advanced Settings" tab is selected. The status of the interface is shown as "Master 'SeaClient'" with a blue status icon. To the right of the status, the following information is displayed: "Uptime: 2h 55m 52s", "MAC-Address: 0C:EF:AF:CF:FC:8D", "RX: 83.12 KB (583 Pkts.)", "TX: 9.83 MB (105222 Pkts.)", and "IPv4: 192.168.200.1/24". Below the status information, there are several configuration fields: "Protocol" is set to "Static address", "IPv4 address" is "192.168.200.1", "IPv4 netmask" is "255.255.255.0", "IPv4 gateway" is "192.168.1.1" (highlighted with a red box), and "IPv4 broadcast" is empty.

Now you can enter into the Sea Cloud APP and manage your devices.

If your device is SEA Cloud Board, entering as Installer you will see that:

## SEA Cloud Board

Click on your device to manage your Control Board:



This is your Control Board:

**TEST**  
verify the status of the entrance

**SERVICE**  
reset work cycles

**@ALARM**  
receive email of alarms

**@FAULT**  
receive email of faults

**UP**  
scroll up

scroll down

**OK**  
confirmation

**START**  
open/close command

**STOP**  
stop command

**START Pedestrian**  
partial opening command

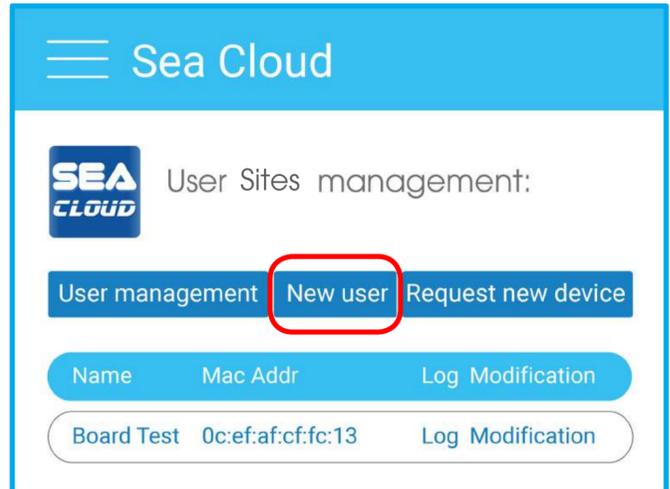
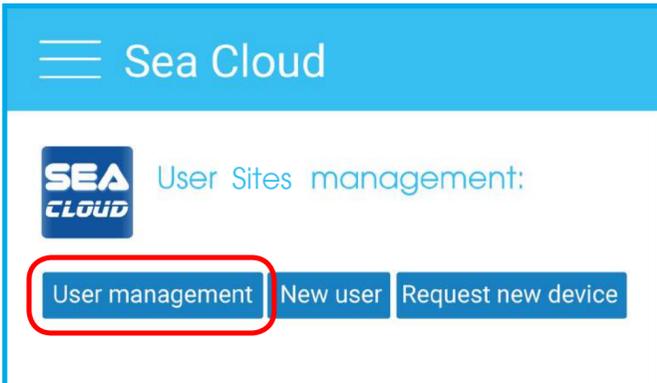
**MENU BOX LIST**  
you can scroll down the entire menù or text the number of the menù that you want in the search bar

*Compatible with control units with revision Firmware 2.0 and later*

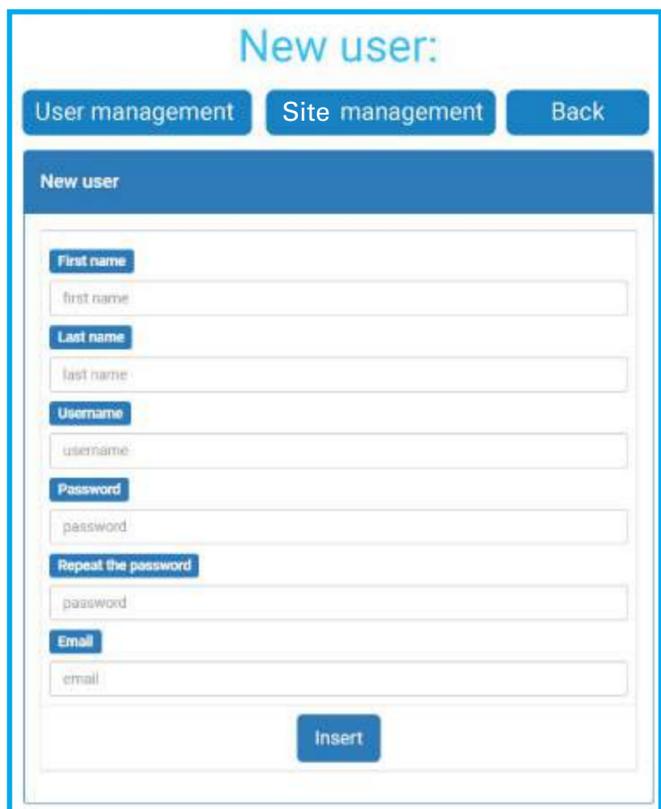
## Do you want to associate your Clients to your site?

In this way they can open their gates wherever they are!  
Simply from their smartphone.

Click on "User management" and on "New user"



Enter all data of your end users



New user:  
User management Site management Back

New user

First name  
first name

Last name  
last name

Username  
username

Password  
password

Repeat the password  
password

Email  
email

Insert

and their profile are created.

Click on "+" to associate the end user to his/her remote control



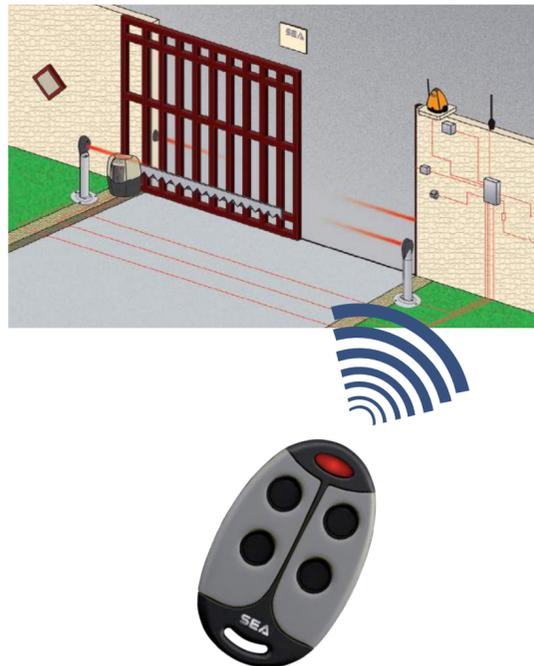

Description	Key fuses	Mac Address	Delete
CASA GIANNI	1	0c:ef:af:cf:fc:13	[Red X]
CASA GIANNI	2	0c:ef:af:cf:fc:13	[Red X]
CASA GIANNI	3	0c:ef:af:cf:fc:13	[Red X]
CASA GIANNI	4	0c:ef:af:cf:fc:13	[Red X]
Apartment 1 -- 0 --- 10 --- 8 --- MAC: 05:44:22:11:33:33			
CASA GIANNI	0	10 - 4 - MAC: 0c:ef:af:cf:fc:13	[Green +]
Sirena	0	10 - 3 - MAC: 0c:ef:af:cf:fc:13	[Green +]
Sanita	0	100 - 9 - MAC: 55:55:55:55:55:44	[Green +]
Reposo	0	100 - 1 - MAC: 0c:ef:af:cf:fc:13	[Green +]
TX_MHI	0	100 - 1 - MAC: 0c:ef:af:cf:fc:13	[Green +]

Provide username and password that you choose to your end user.

If your end users have a transmitter version, remember to memorize the transmitter on receiver

## Programming trasmitter UNI on receiver

After having programmed the UNI series transmitter insert it into the SEA CLOUD device and place it inside the house/office

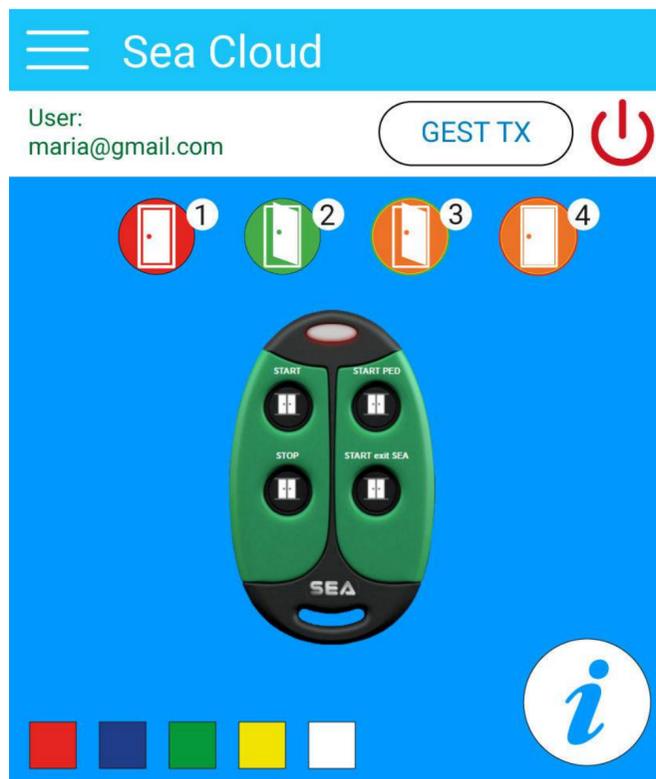


How to insert the transmitter in the box:



The transmitter must be inserted in the box. Paying attention to the correct insertion of the pins of the transmitter. After having positioned the transmitter push it to the right up to its full insertion into the box.

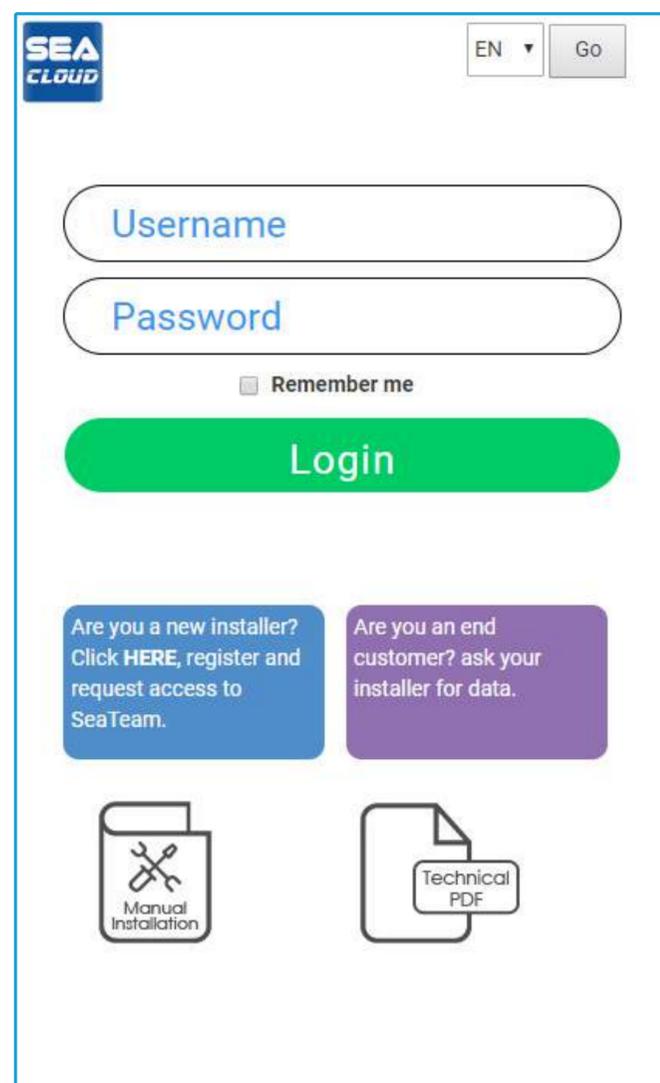
If your device is SEA Cloud Board, entering as Installer you will see that:



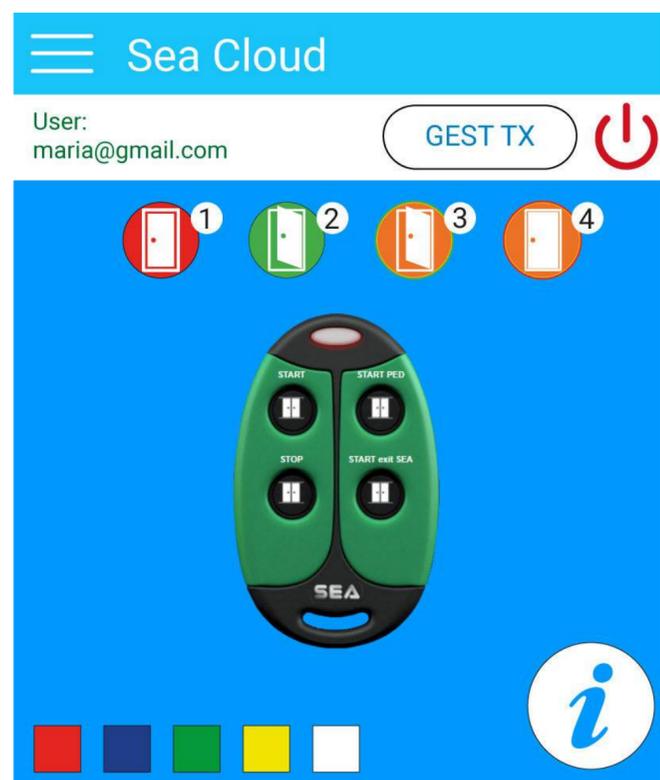
## Guide for End User

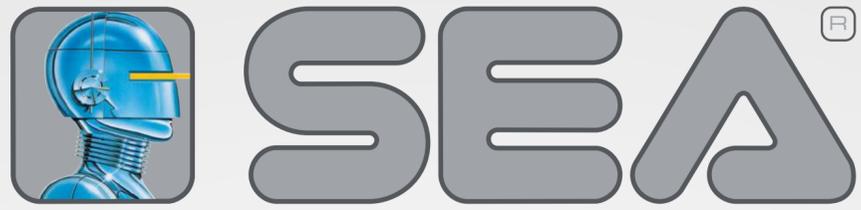
Download the Sea Cloud APP from Google Play or Apple Store.

Insert username and password provided by your Installer

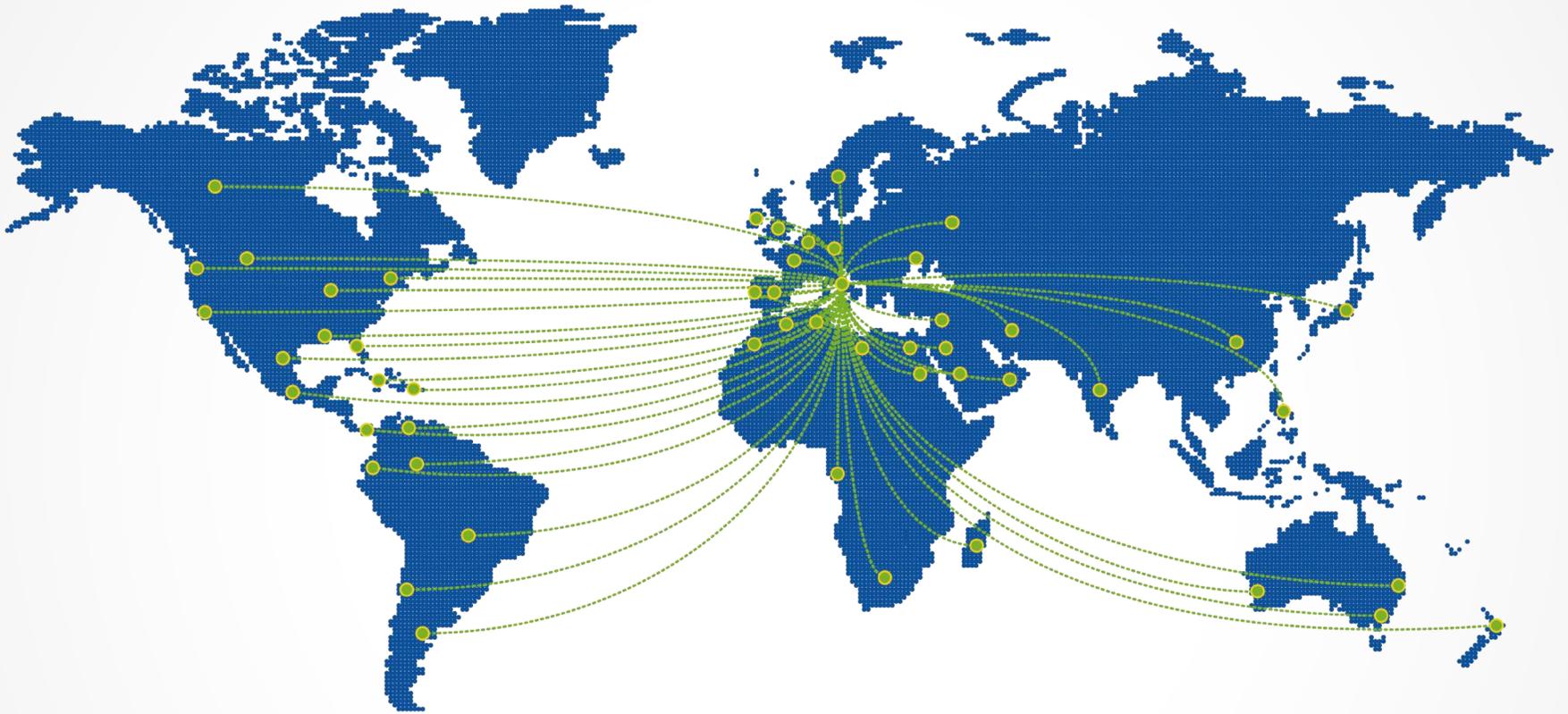


This is the remote control of you gate!





Automatic Gate Openers



#### HEADQUARTER

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