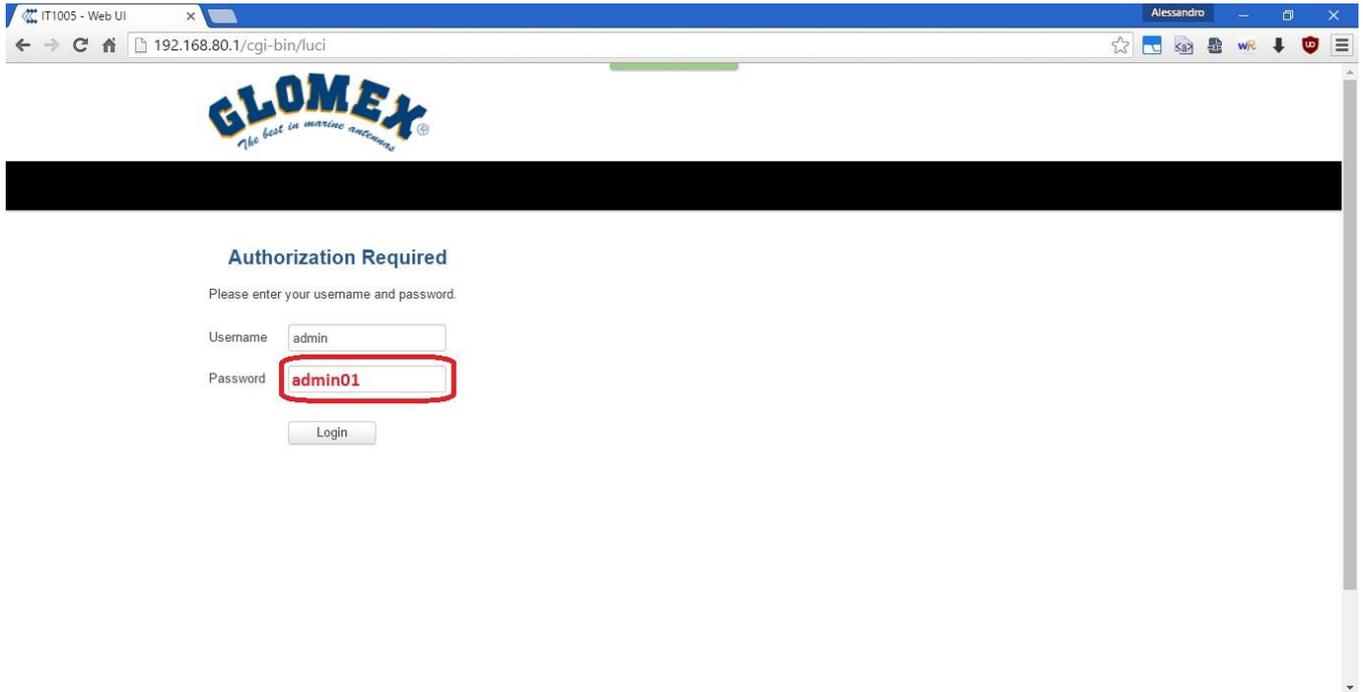


HOW TO SETUP THE WEBBOAT 4G PRO VIA THE WEBUI



First of all you have to connect your device (preferably a laptop) to the **Glomex_weBBoat** Wi-Fi network.
By default the Wi-Fi network has no password.

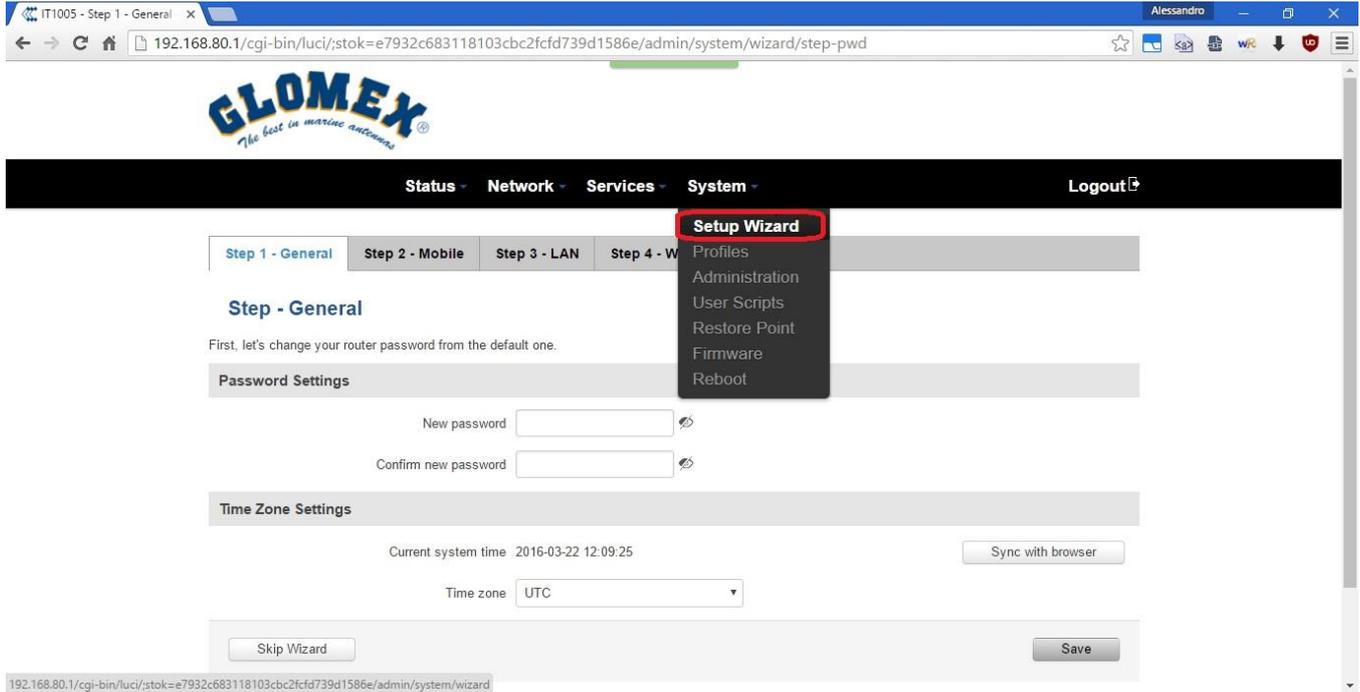


Open your web browser and type the weBBoat's default IP

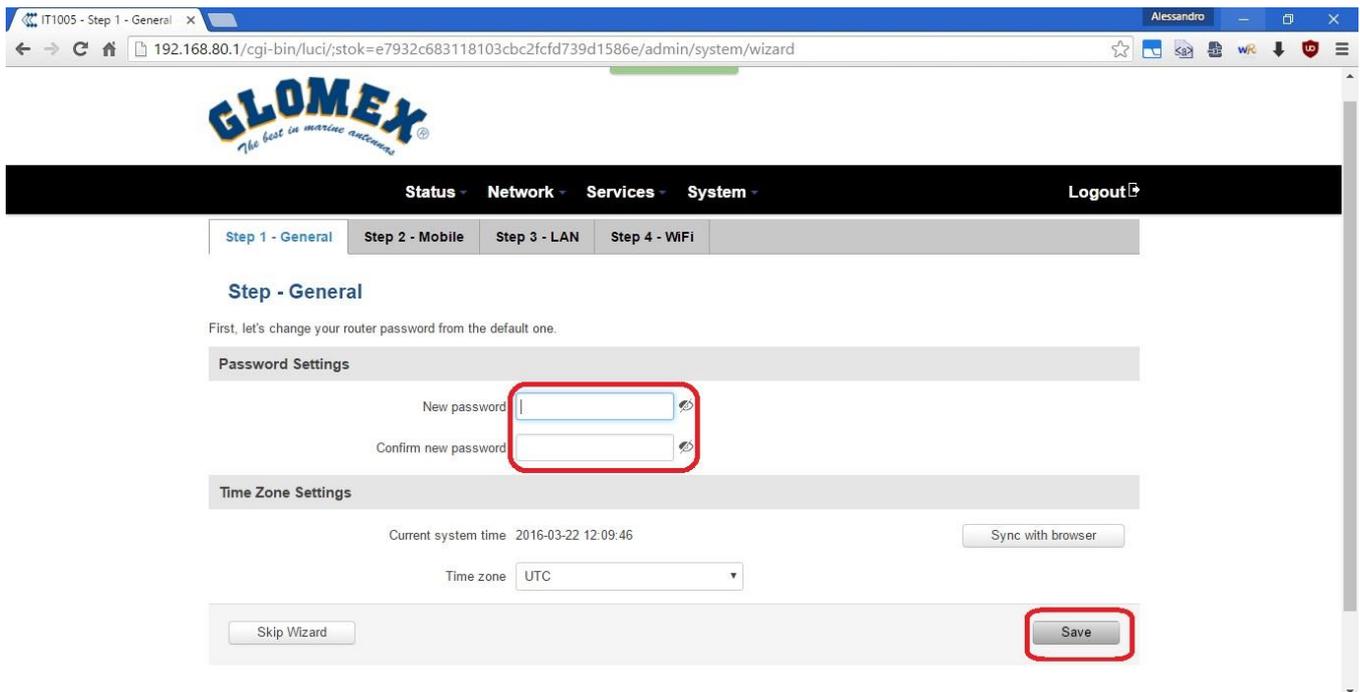
192.168.80.1

The default admin password

admin01



Select System – Setup Wizard

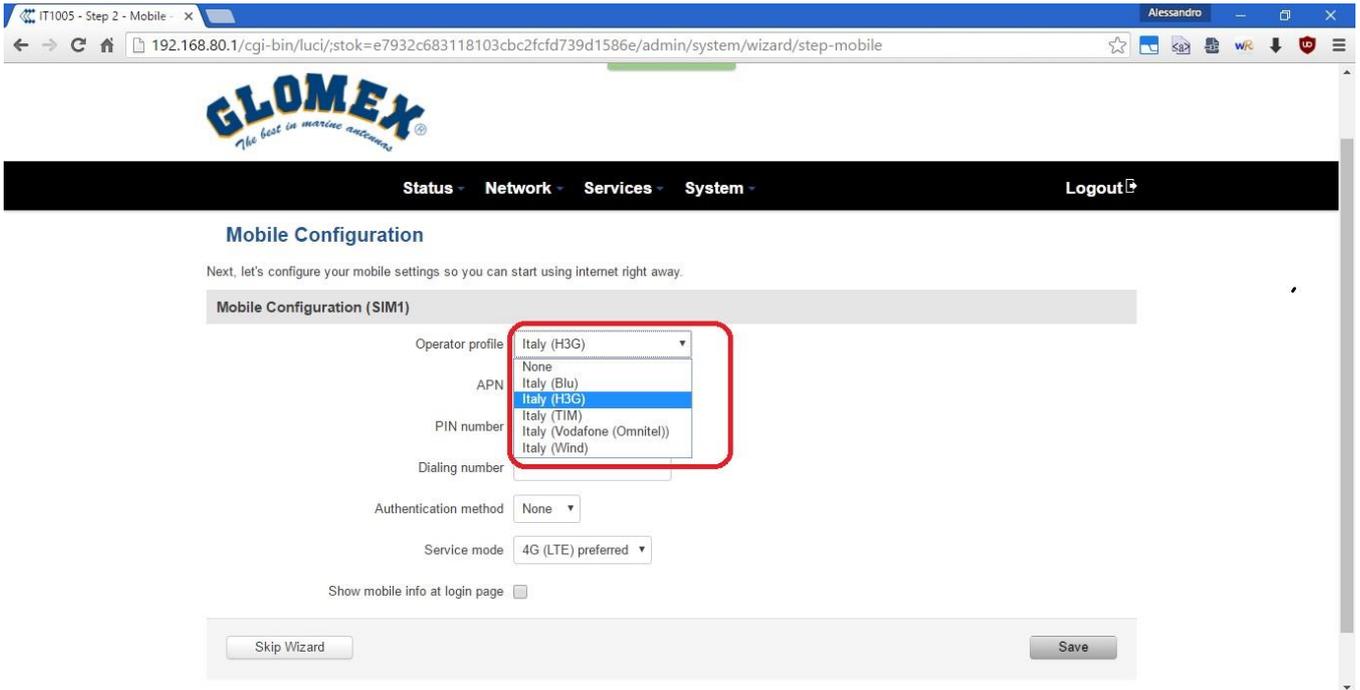


Step 1: General

Here if you want you can change the admin password (not the Wi-Fi password).

Remember to store the new password in a secure place, without it you can't access the webUI and you have to reset the webBoat to access it again.

Press **Save**.



IT1005 - Step 2 - Mobile - x

192.168.80.1/cgi-bin/luci/stok=e7932c683118103cbc2fcd739d1586e/admin/system/wizard/step-mobile

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Status Network Services System Logout

Mobile Configuration

Next, let's configure your mobile settings so you can start using internet right away.

Mobile Configuration (SIM1)

Operator profile: Italy (H3G) (dropdown menu open)

- None
- Italy (Blu)
- Italy (H3G)
- Italy (TIM)
- Italy (Vodafone (Omnitel))
- Italy (Wind)

APN: (empty)

PIN number: (empty)

Dialing number: (empty)

Authentication method: None (dropdown)

Service mode: 4G (LTE) preferred (dropdown)

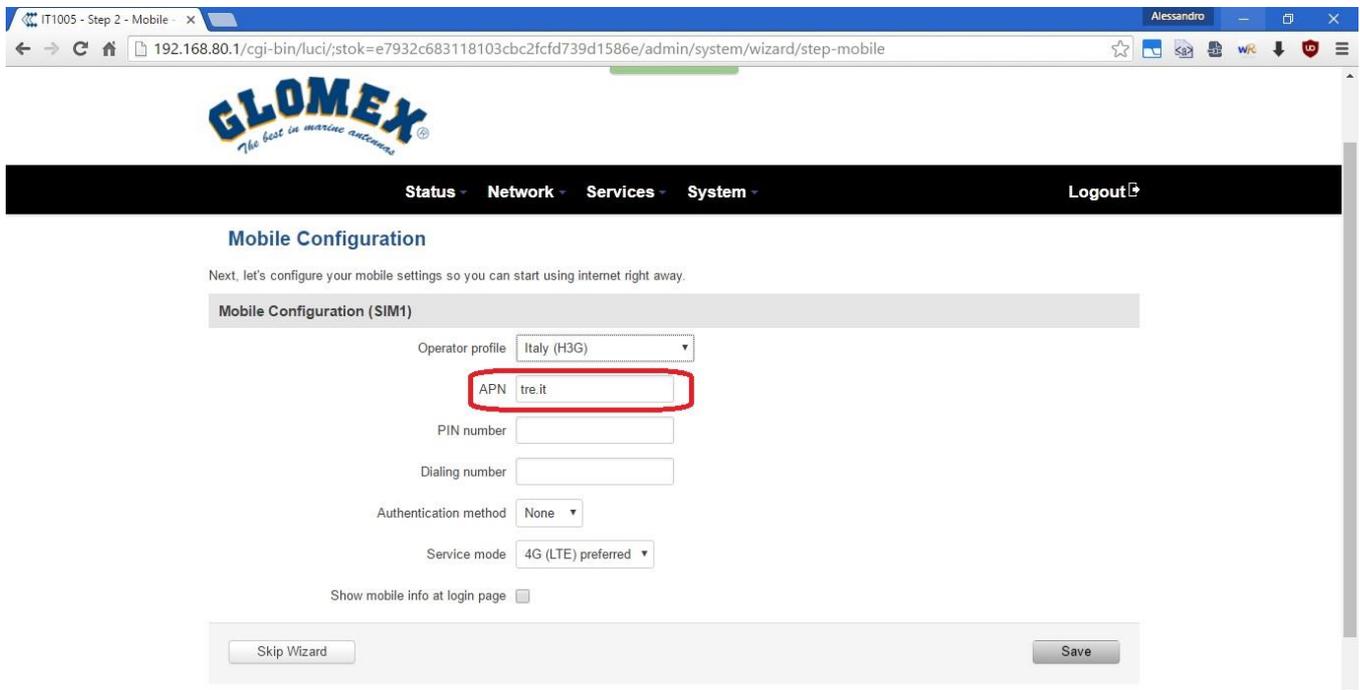
Show mobile info at login page:

Skip Wizard Save

Step 2: Mobile

Select from the scroll down menu the operator correspondent to the SIM card inserted in the SIM 1 slot.

Press **Save**.



IT1005 - Step 2 - Mobile - x

192.168.80.1/cgi-bin/luci/stok=e7932c683118103cbc2fcd739d1586e/admin/system/wizard/step-mobile

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Status Network Services System Logout

Mobile Configuration

Next, let's configure your mobile settings so you can start using internet right away.

Mobile Configuration (SIM1)

Operator profile: Italy (H3G) (dropdown)

APN: tre.it (text input)

PIN number: (empty)

Dialing number: (empty)

Authentication method: None (dropdown)

Service mode: 4G (LTE) preferred (dropdown)

Show mobile info at login page:

Skip Wizard Save

If your operator is not in the list or the default APN doesn't work you have to manually fill the APN field with the correct APN.

Ask to your operator's customer support for the correct one depending on your data plan.

Press **Save**.

Step 3: LAN

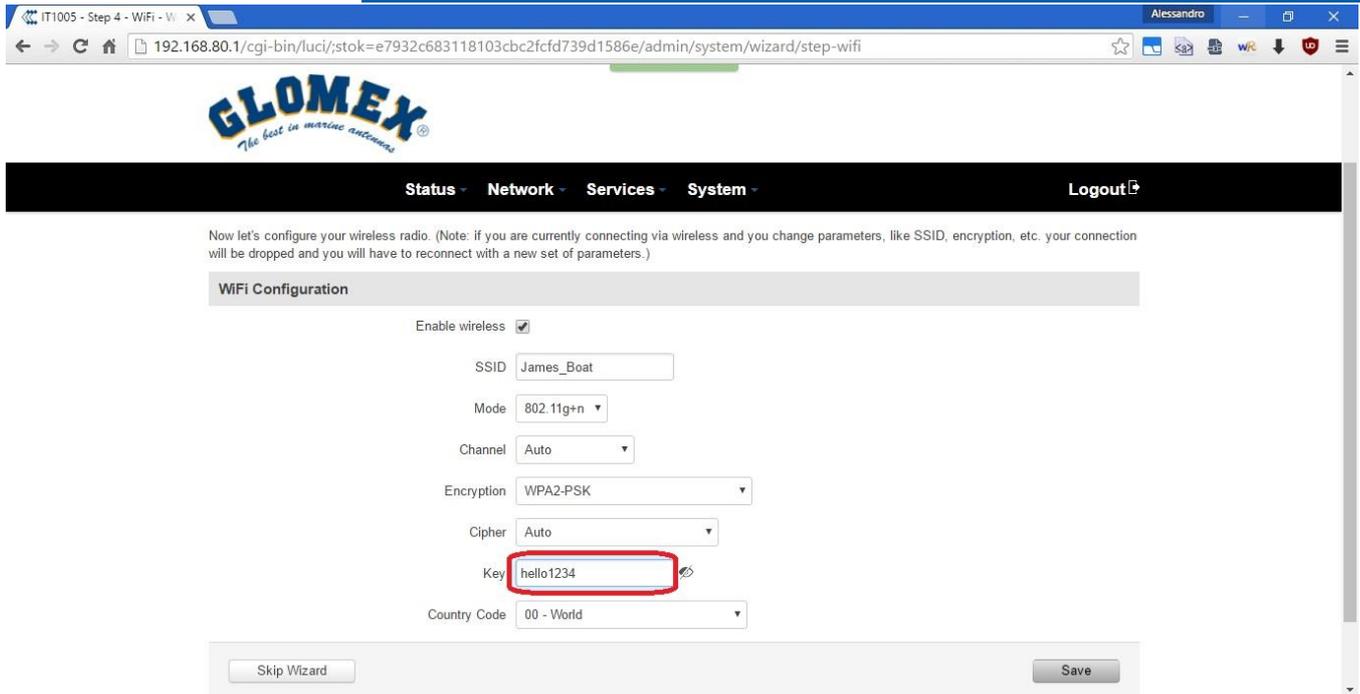
Here you don't need to modify anything.

Press Save.

Step 4: WiFi

Here you can change the **SSID** (Wi-Fi network's name) and choose to use a password.

We suggest to use **WPA2-PSK** encryption (at least 8 chars).



IT1005 - Step 4 - WiFi - W... x Alessandro

192.168.80.1/cgi-bin/luci/stok=e7932c683118103cbc2fcfd739d1586e/admin/system/wizard/step-wifi

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Status - Network - Services - System - Logout

Now let's configure your wireless radio. (Note: if you are currently connecting via wireless and you change parameters, like SSID, encryption, etc. your connection will be dropped and you will have to reconnect with a new set of parameters.)

WiFi Configuration

Enable wireless

SSID James_Boat

Mode 802.11g+n

Channel Auto

Encryption WPA2-PSK

Cipher Auto

Key hello1234

Country Code 00 - World

Skip Wizard Save

Type the new password.

Press **Save**.



You have now to connect to the Wi-Fi with the new name entering the new Wi-Fi password.

Go again to 192.168.80.1 and login with admin01 or the new admin password.

Overview

System	Mobile
Router uptime: 0d 0h 1m 14s (since 2016-04-27, 08:58:27)	Data connection: 0d 0h 0m 34s (since 2016-04-27, 08:59:07)
Local device time: 2016-04-27, 08:59:41	State: Registered (home); 3 ITA; 3G (WCDMA)
Free memory: 87 MB (70%) RAM, 5.9 MB (93%) FLASH	SIM card slot in use: SIM 1 (Ready)
Firmware version: IT1005_R_10.02.112	Bytes received/sent *: 412.9 KB / 197.8 KB

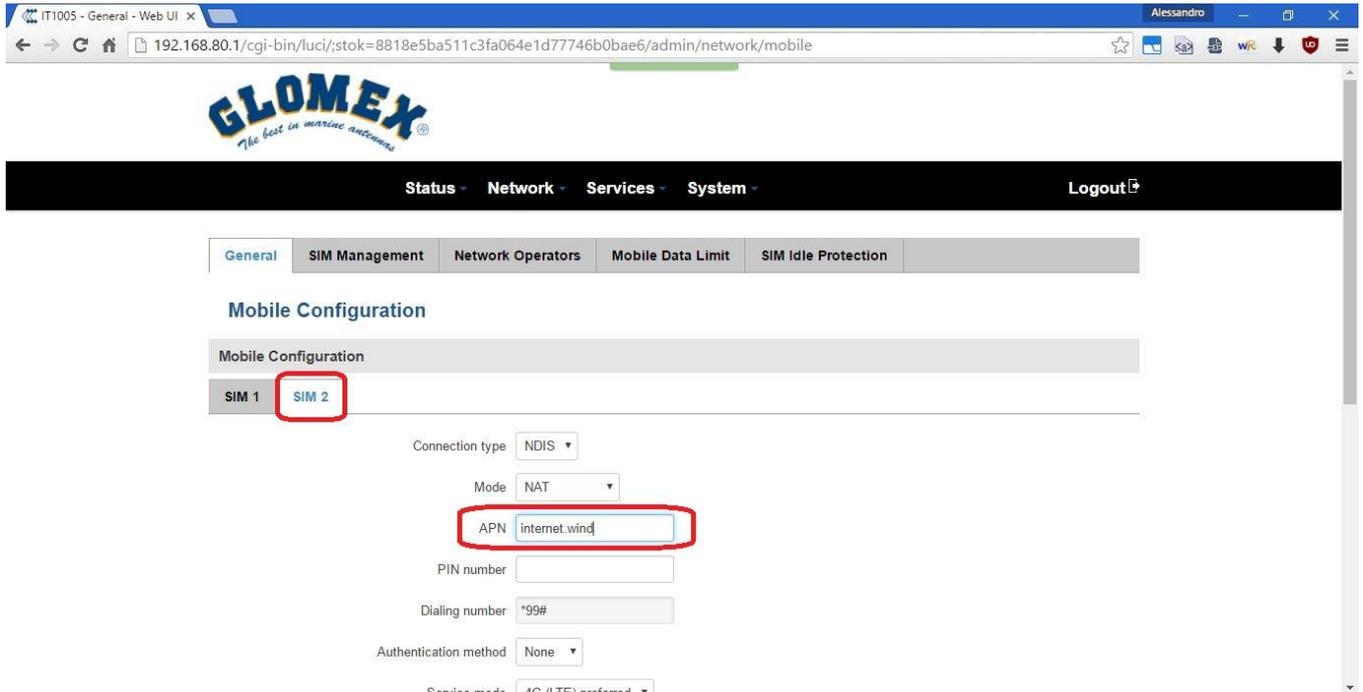
Wireless	WAN
SSID: James_Boat (AP)	IP address: 10.82.9.54
Mode: 1- AP; 1 CH (2.412 GHz)	Backup WAN status: Backup link is disabled

In the **Overview** screen you can see the **Mobile** network status (top right), the **SSID** in use and the external **IP address** along with other technical informations.

Network menu options:

- Mobile
- WAN
- LAN
- Wireless
- VLAN
- Firewall
- Routing
- Load Balancing

To setup the second SIM card select **Network – Mobile**.



IT1005 - General - Web UI x Alessandro

192.168.80.1/cgi-bin/luci/stok=8818e5ba511c3fa064e1d77746b0bae6/admin/network/mobile

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Status - Network - Services - System - Logout

General SIM Management Network Operators Mobile Data Limit SIM Idle Protection

Mobile Configuration

Mobile Configuration

SIM 1 **SIM 2**

Connection type NDIS

Mode NAT

APN internet.wind

PIN number

Dialing number *99#

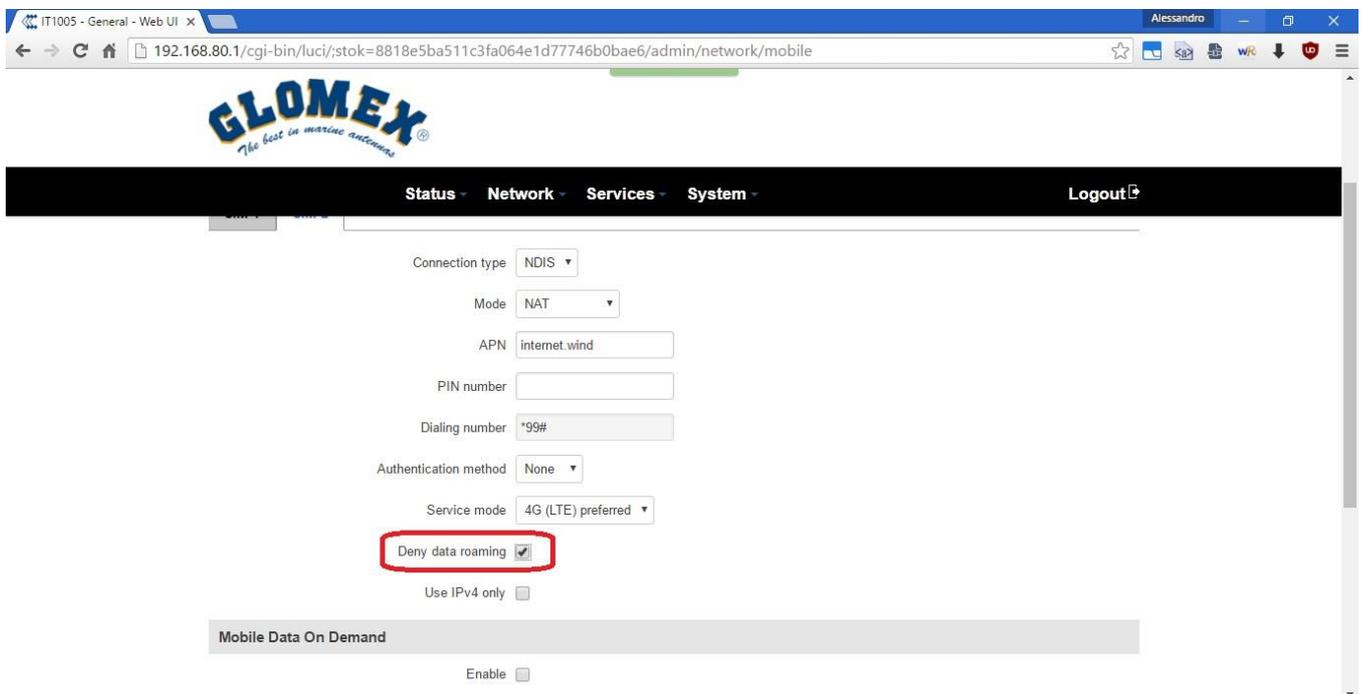
Authentication method None

Service mode 4G (LTE) preferred

Press **SIM2** under the **Mobile Configuration** menu and type the **APN** field with the correct APN.

Ask to your operator's customer support for the correct one depending on your data plan.

Press **Save**.



IT1005 - General - Web UI x Alessandro

192.168.80.1/cgi-bin/luci/stok=8818e5ba511c3fa064e1d77746b0bae6/admin/network/mobile

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Status - Network - Services - System - Logout

Connection type NDIS

Mode NAT

APN internet.wind

PIN number

Dialing number *99#

Authentication method None

Service mode 4G (LTE) preferred

Deny data roaming

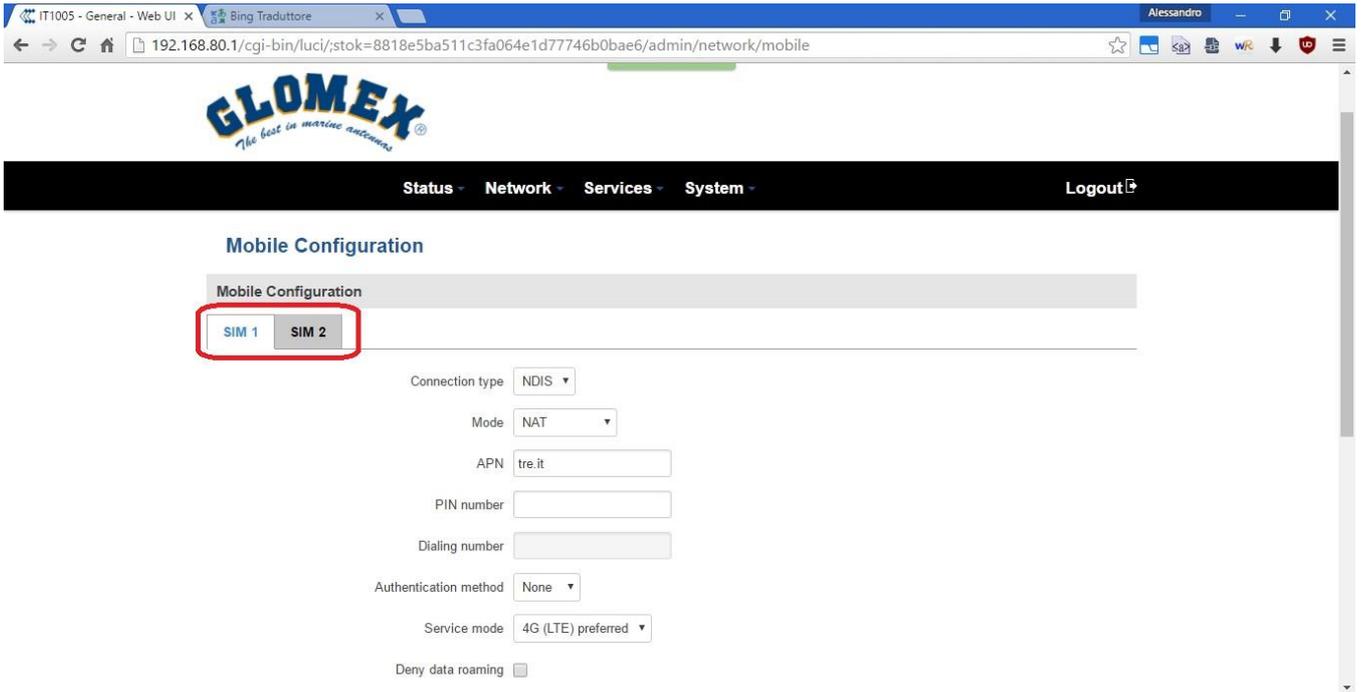
Use IPv4 only

Mobile Data On Demand

Enable

If you don't want the weBBoat to connect in roaming (i.e. when you go abroad) you have to tick the **Deny data roaming** checkbox and press **Save**.

You have to select whether to enable or not the roaming for each SIM card.



IT1005 - General - Web UI x Bing Traduttore x Alessandro

192.168.80.1/cgi-bin/luci/stok=8818e5ba511c3fa064e1d77746b0bae6/admin/network/mobile

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Status Network Services System Logout

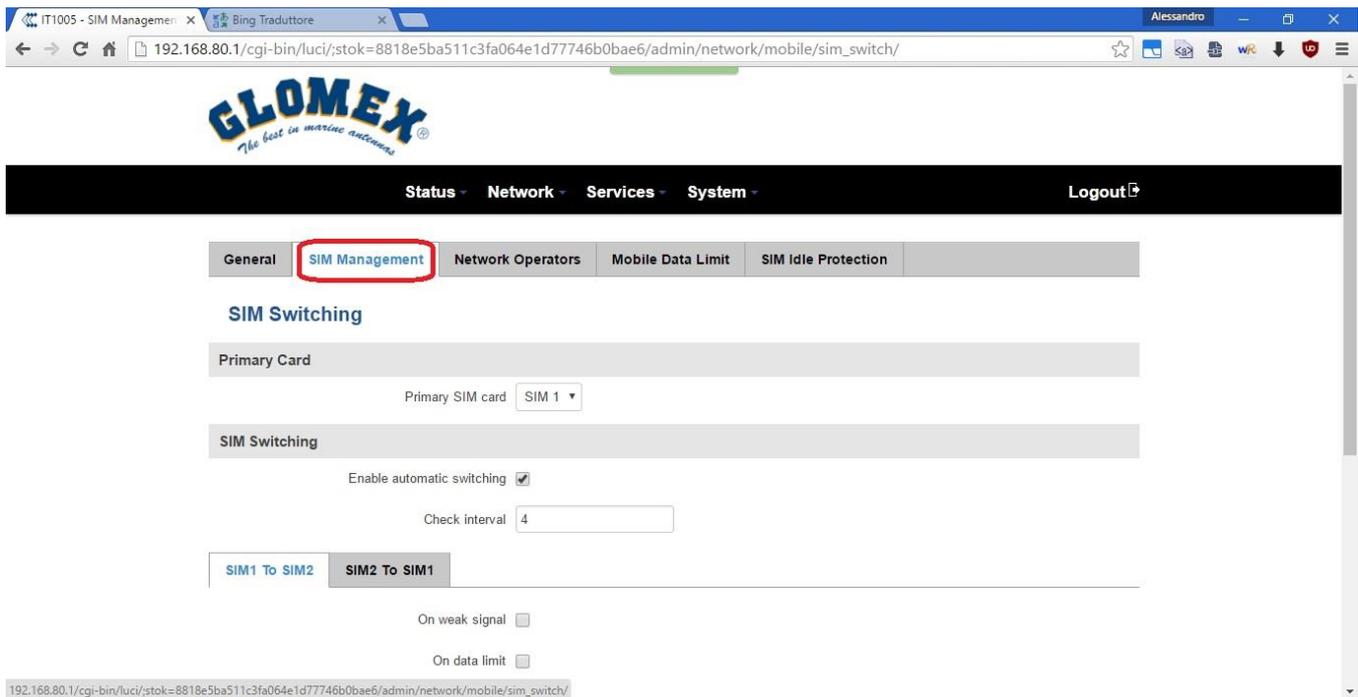
Mobile Configuration

Mobile Configuration

SIM 1 SIM 2

Connection type: NDIS
Mode: NAT
APN: tre.it
PIN number:
Dialing number:
Authentication method: None
Service mode: 4G (LTE) preferred
Deny data roaming:

You can switch between the 2 SIM cards options by pressing the correspondent button **SIM 1** or **SIM 2**.



IT1005 - SIM Management x Bing Traduttore x Alessandro

192.168.80.1/cgi-bin/luci/stok=8818e5ba511c3fa064e1d77746b0bae6/admin/network/mobile/sim_switch/

GLOMEX
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Status Network Services System Logout

General **SIM Management** Network Operators Mobile Data Limit SIM Idle Protection

SIM Switching

Primary Card

Primary SIM card: SIM 1

SIM Switching

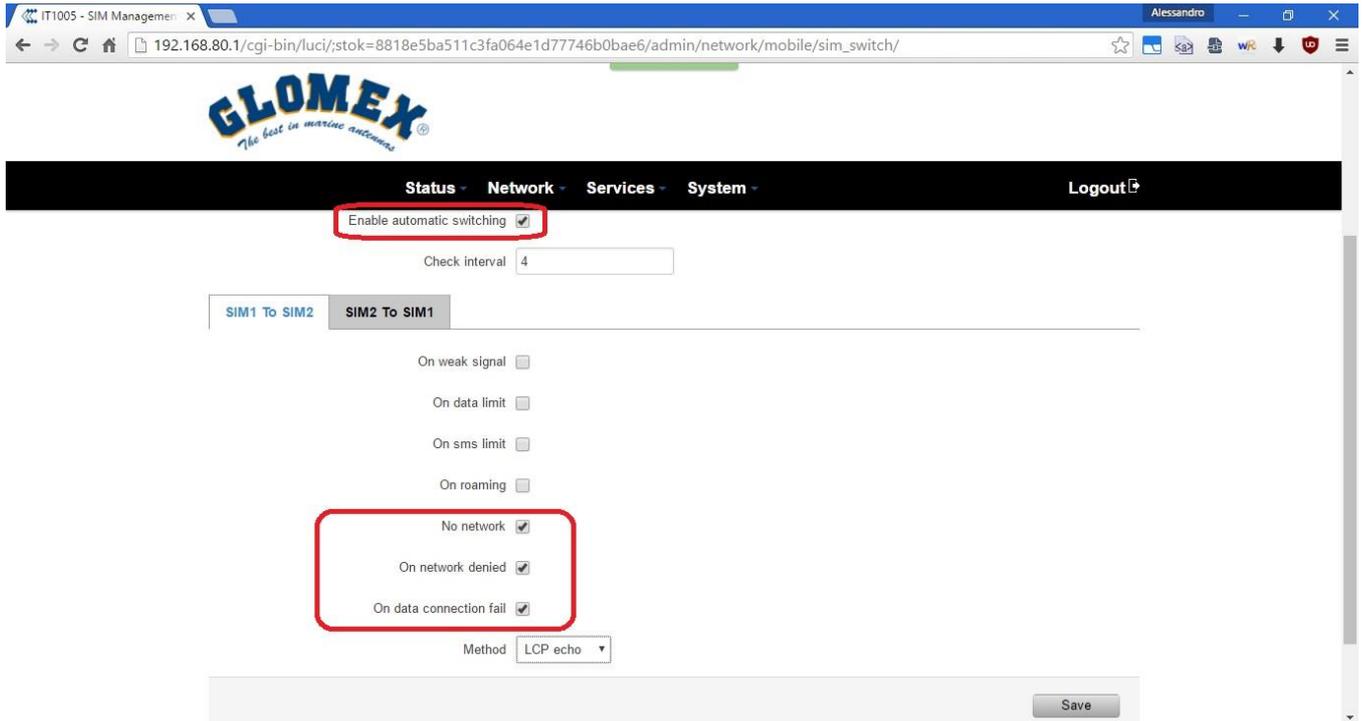
Enable automatic switching:
Check interval: 4

SIM1 To SIM2 SIM2 To SIM1

On weak signal:
On data limit:

192.168.80.1/cgi-bin/luci/stok=8818e5ba511c3fa064e1d77746b0bae6/admin/network/mobile/sim_switch/

Select the **SIM Management** menu.

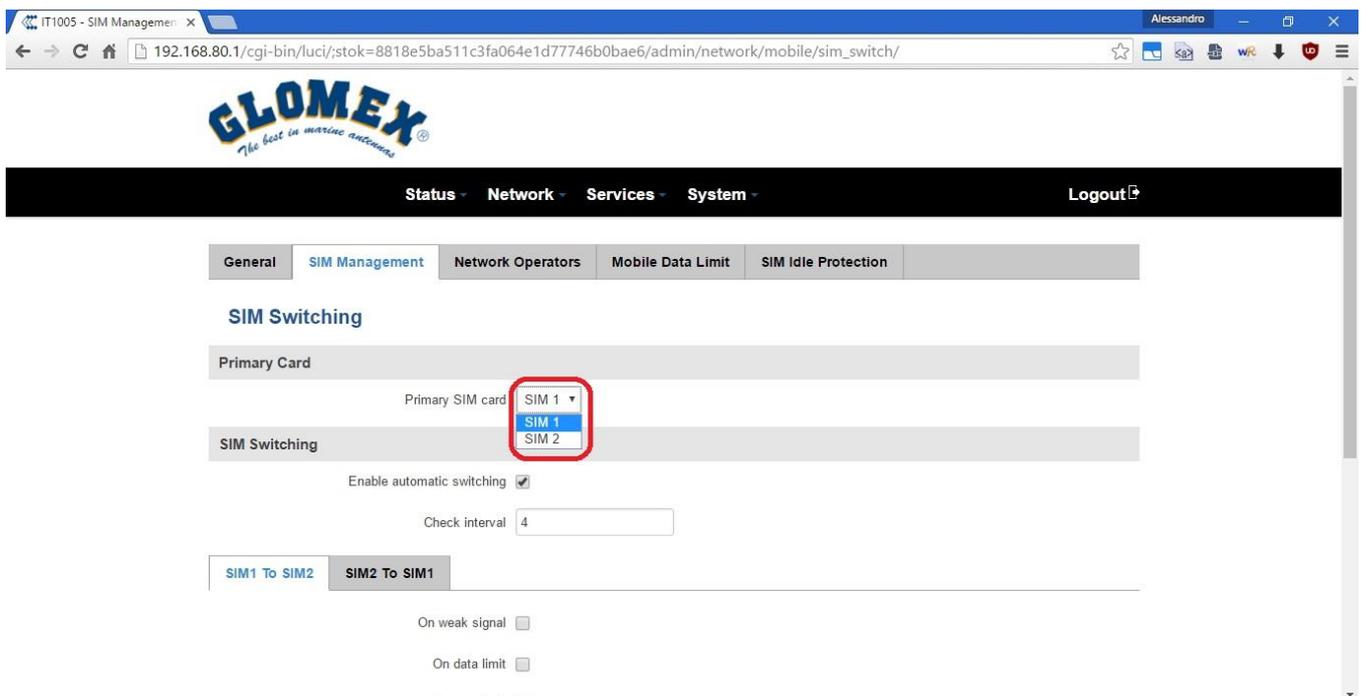


You can **Enable the automatic switching** between the SIM cards by ticking the checkbox.

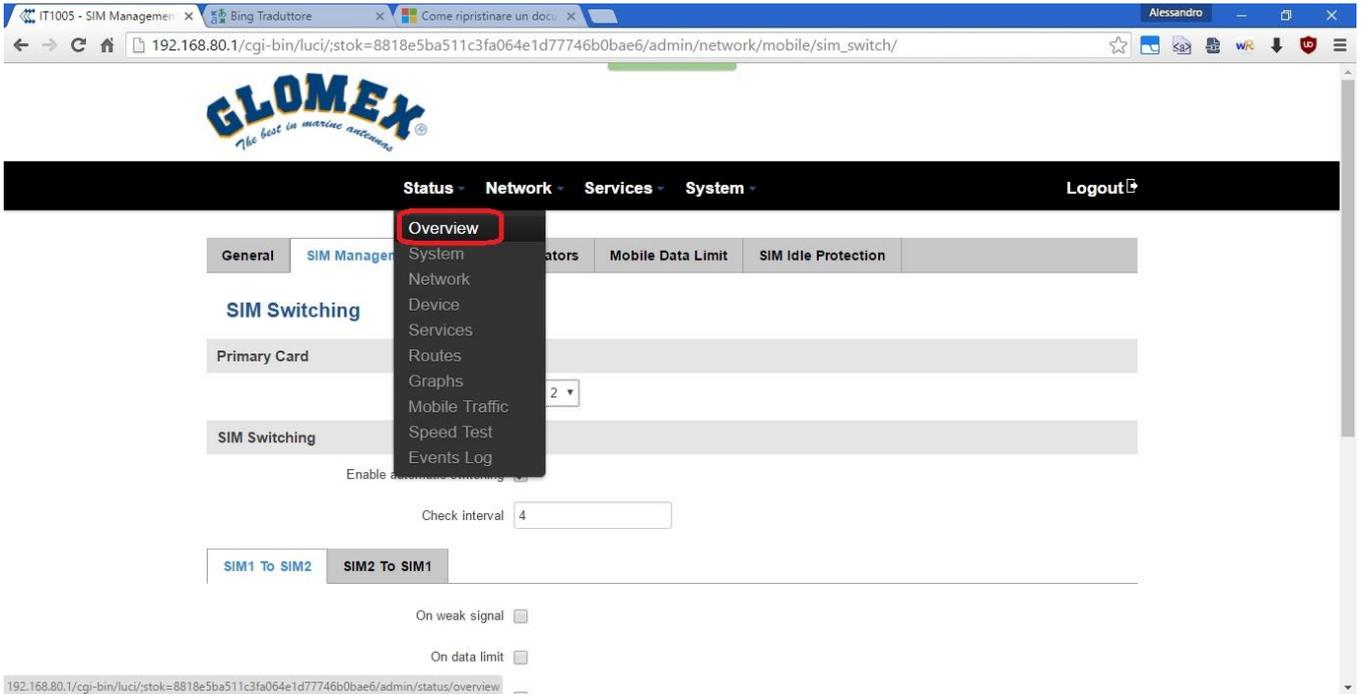
Then you have to select the conditions for which the weBBoat will switch between the **SIM1 To SIM2** and viceversa.

We suggest to tick: **No network**, **On network denied** and **On data connection fail**.

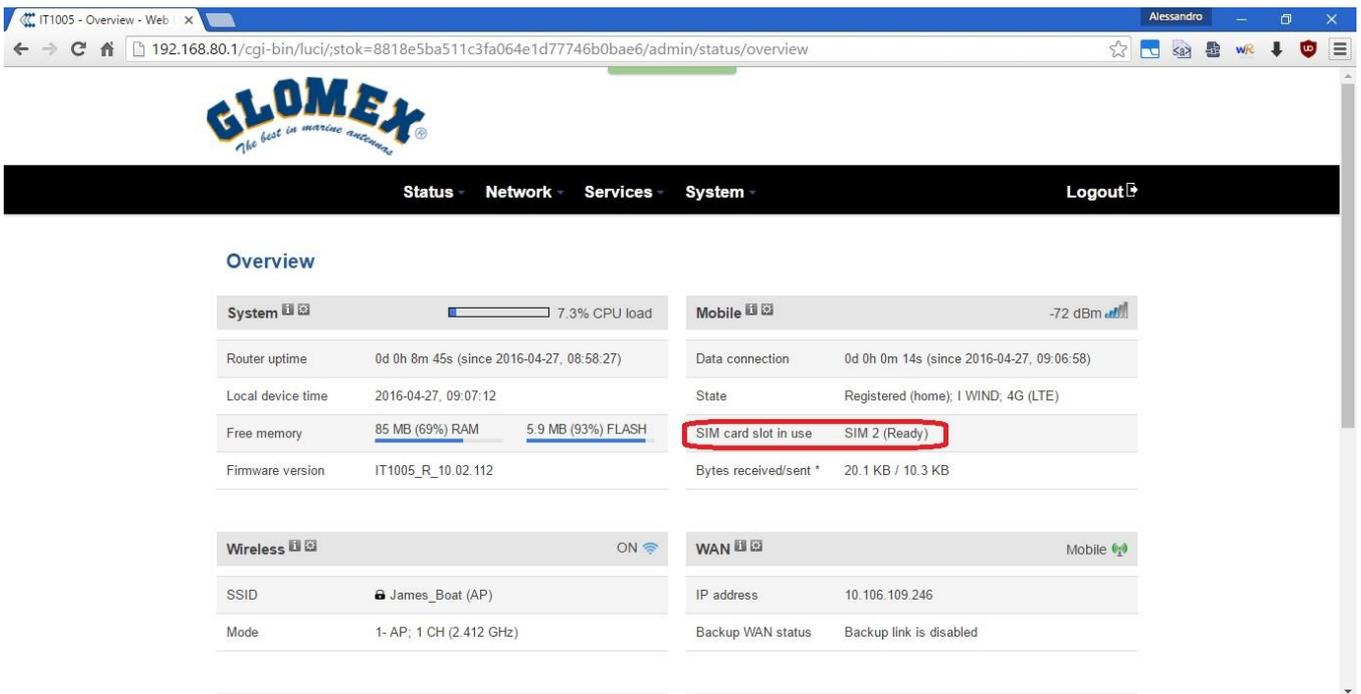
Please note that when you deny the data roaming for a SIM card it will not connect to the mobile network when you're abroad resulting in a Data connection fail (so it will switch to the other SIM if you've selected the automatic switch option).



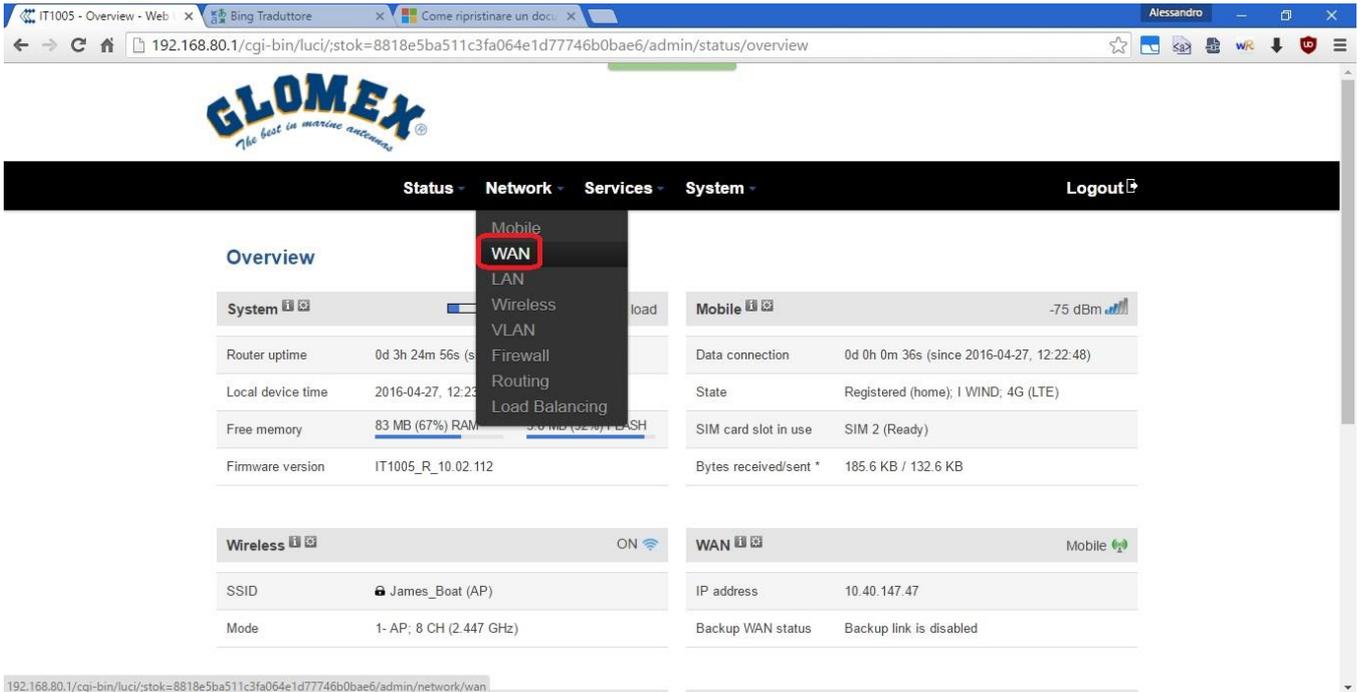
Here you can manually select the SIM in use by selecting it in the **Primary SIM card** drop down menu.



If you've switch to SIM 2 you can go to the **Overview** menu to check the connection's status.

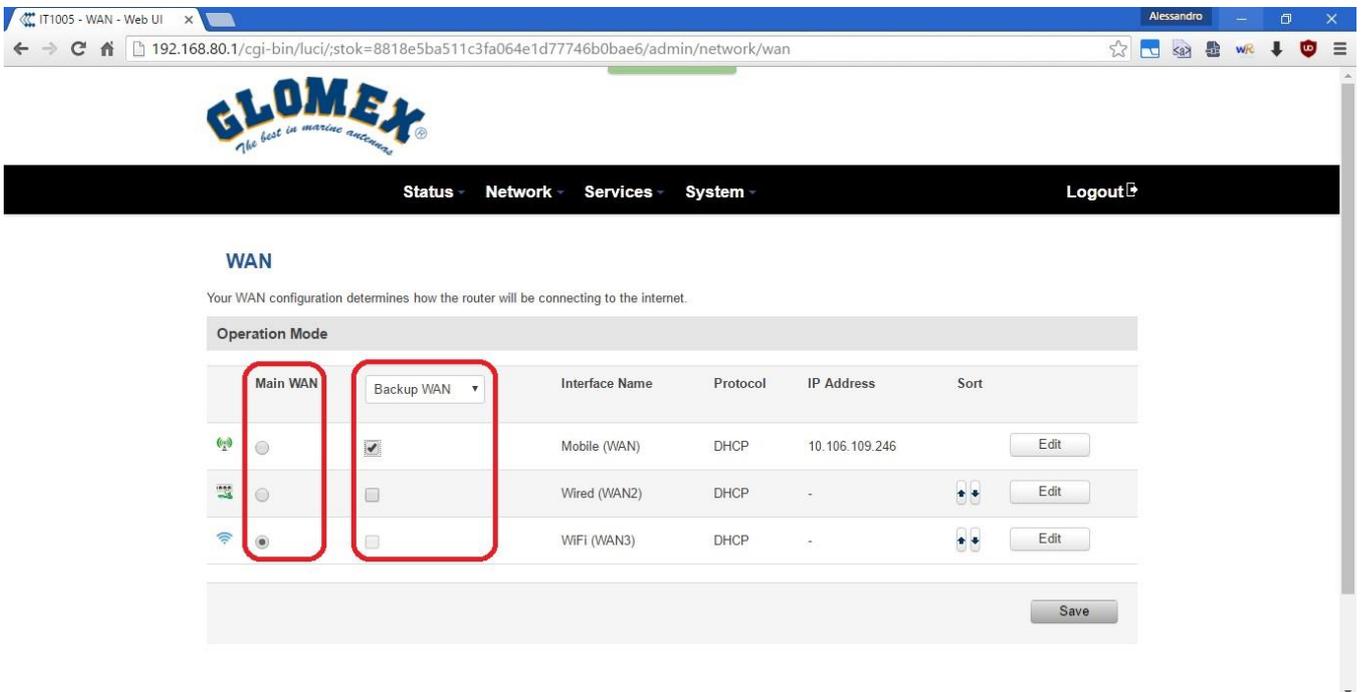


You can see that the SIM card in use is the one in the second slot.



To connect to a Wi-Fi network around you and to use its data traffic instead of the 3G/4G one you have to configure the WAN backup options.

Select **Network – WAN**.



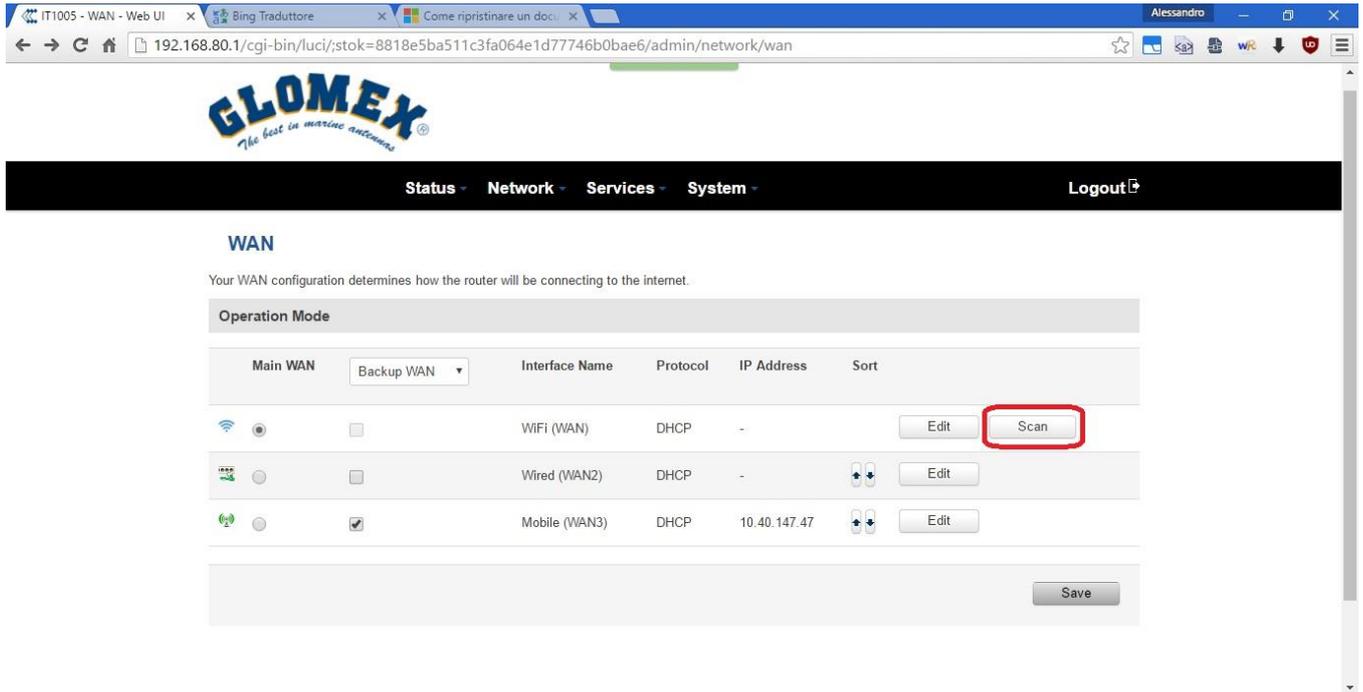
Change the settings according to the picture:

Main WAN = Wi-Fi

Backup WAN = Mobile

Press **Save**.

You may need to reconnect your device to the weBBoat's network.

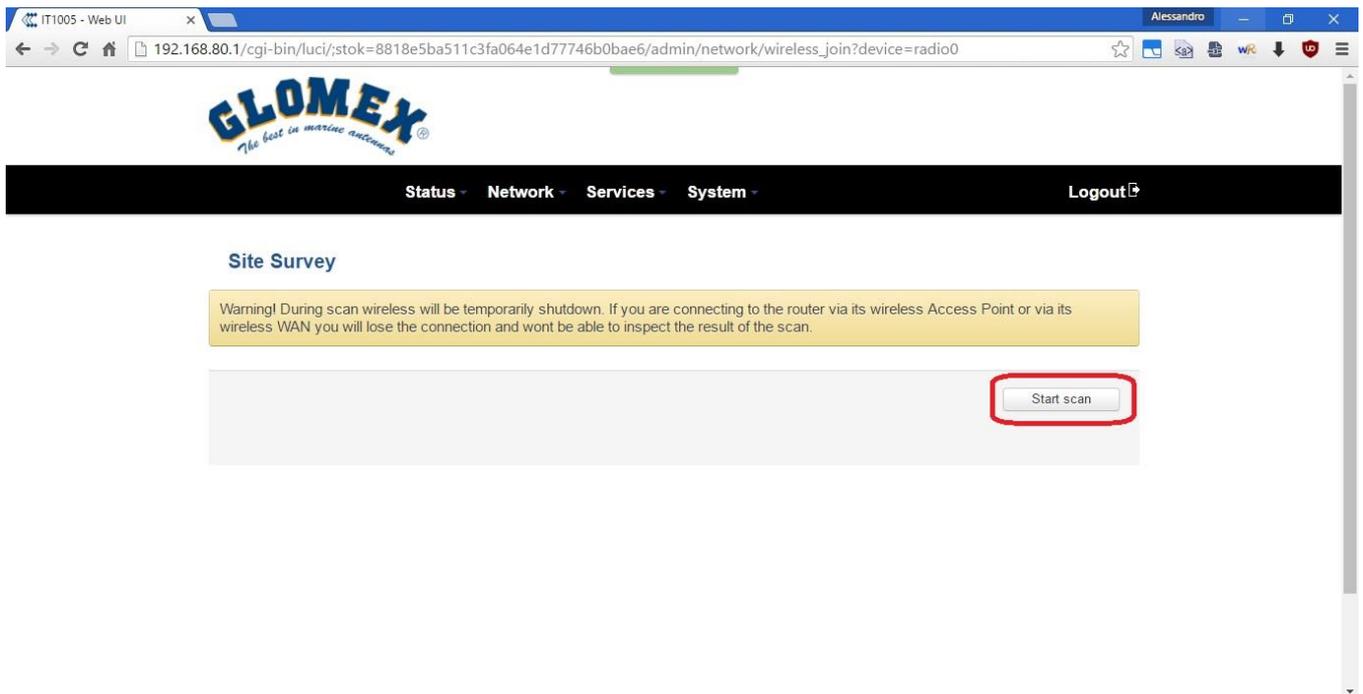


The screenshot shows the WAN configuration page. At the top, there is a navigation bar with 'Status', 'Network', 'Services', and 'System' menus, and a 'Logout' button. Below the navigation bar, the page title is 'WAN'. A sub-header reads: 'Your WAN configuration determines how the router will be connecting to the internet.' Underneath, there is a section for 'Operation Mode' with a dropdown menu set to 'Backup WAN'. A table lists three WAN interfaces:

Main WAN	Interface Name	Protocol	IP Address	Sort	Actions
<input type="radio"/>	WiFi (WAN)	DHCP	-		Edit Scan
<input type="radio"/>	Wired (WAN2)	DHCP	-	↕↕	Edit
<input checked="" type="radio"/>	Mobile (WAN3)	DHCP	10.40.147.47	↕↕	Edit

At the bottom right of the table area, there is a 'Save' button. The 'Scan' button for the WiFi (WAN) interface is highlighted with a red rectangle.

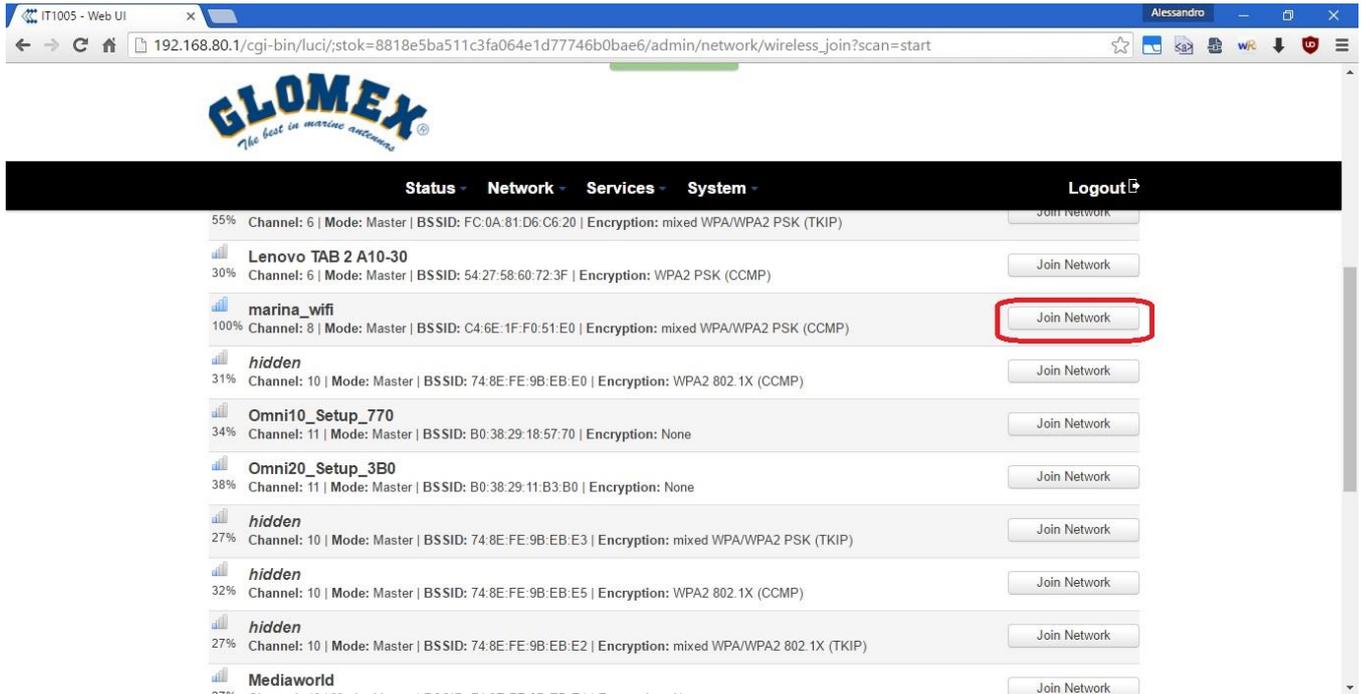
Press the **Scan** button.



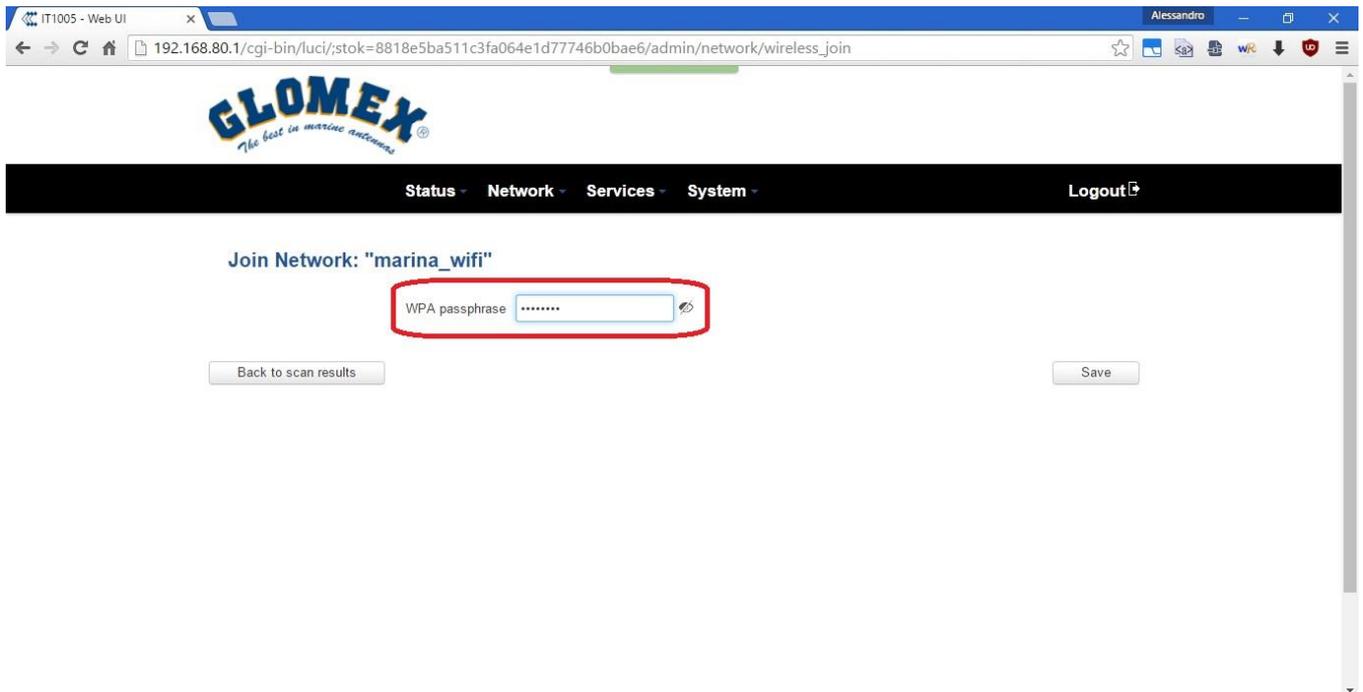
The screenshot shows the Site Survey page. At the top, there is a navigation bar with 'Status', 'Network', 'Services', and 'System' menus, and a 'Logout' button. Below the navigation bar, the page title is 'Site Survey'. A yellow warning box contains the text: 'Warning! During scan wireless will be temporarily shutdown. If you are connecting to the router via its wireless Access Point or via its wireless WAN you will lose the connection and wont be able to inspect the result of the scan.' Below the warning box, there is a 'Start scan' button, which is highlighted with a red rectangle.

Press the **Start scan** button.

You may need to reconnect your device to the weBBoat's network.



A list of the nearby Wi-Fi networks will appear, find the desired one and press **Join Network**.



Type the correct password (ask to the Wi-Fi network admin if you don't have it) and press **Save**.

You may need to reconnect your device to the weBBoat's network.

Overview

System	9.0% CPU load	Mobile	-72 dBm
Router uptime	0d 0h 15m 6s (since 2016-04-27, 08:58:27)	Data connection	0d 0h 3m 5s (since 2016-04-27, 09:10:28)
Local device time	2016-04-27, 09:13:33	State	Registered (home); I WIND, 4G (LTE)
Free memory	83 MB (67%) RAM 5.9 MB (93%) FLASH	SIM card slot in use	SIM 2 (Ready)
Firmware version	IT1005_R_10.02.112	Bytes received/sent *	618.9 KB / 470.9 KB

Wireless	ON	WAN	Wireless
SSID	marina_wifi (STA) James_Boat (AP) ...	IP address	192.168.88.59
Mode	1 - STA; 1 - AP; 8 CH (2.447 GHz)	Backup WAN status	Backup link is enabled

Go to the **Overview** page to check the weBboat's status:

Under the **Wireless** section you can see that it is connected to the external Wi-Fi network.

Under the **WAN** section you can see the IP assigned by the external Wi-Fi and that the Backup link is enabled (it means that if you go outside the Wi-Fi network's range the weBBoat will connect to the mobile network).

WAN

Your WAN configuration determines how the router will be connecting to the internet.

Operation Mode

Main WAN	Backup WAN	Interface Name	Protocol	IP Address	Sort
<input checked="" type="checkbox"/>	<input type="checkbox"/>	WiFi (WAN)	DHCP	192.168.88.59	Edit Scan
<input type="checkbox"/>	<input type="checkbox"/>	Wired (WAN2)	DHCP	-	Edit
<input type="checkbox"/>	<input type="checkbox"/>	Mobile (WAN3)	DHCP	10.106.109.246	Edit

Save

If you want to Force the mobile network and not to use the external Wi-Fi you have to restore the previous settings:

Select the mobile option under the Main WAN menu and untick the Wireless checkbox.