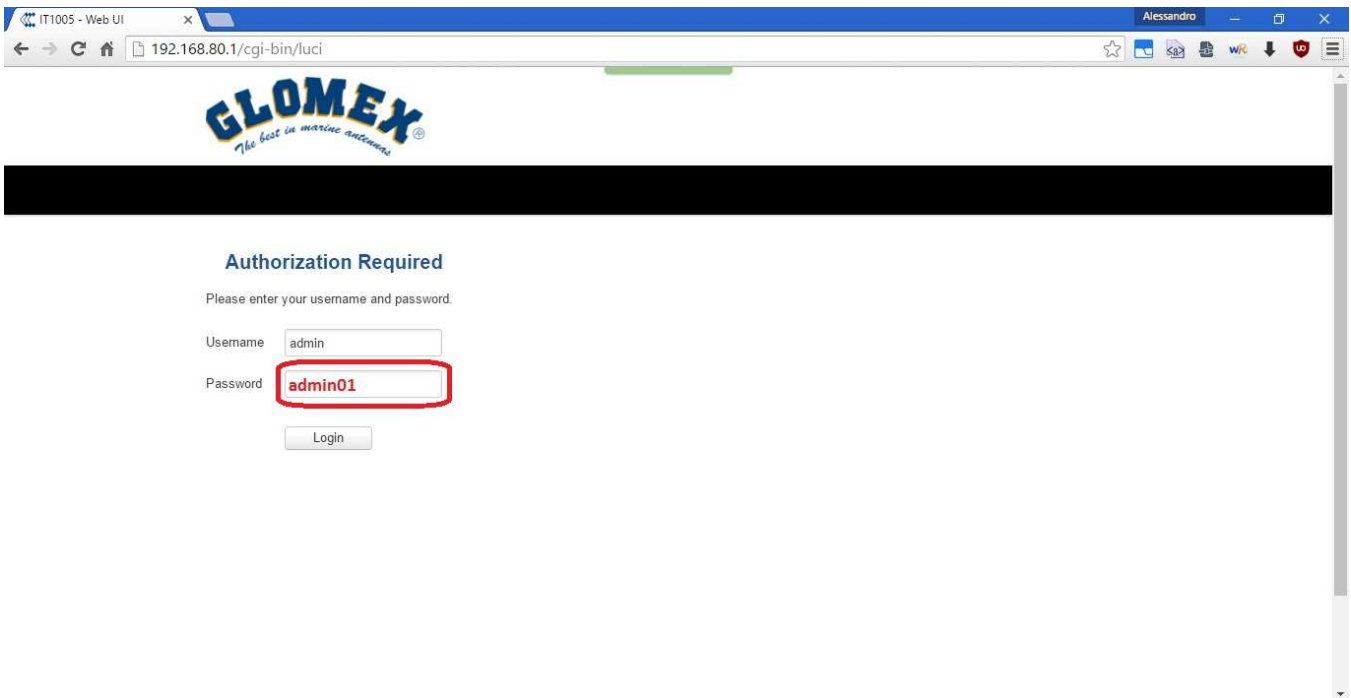


HOW TO SETUP THE WEBBOAT 4G PRO VIA THE WEBUI



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.

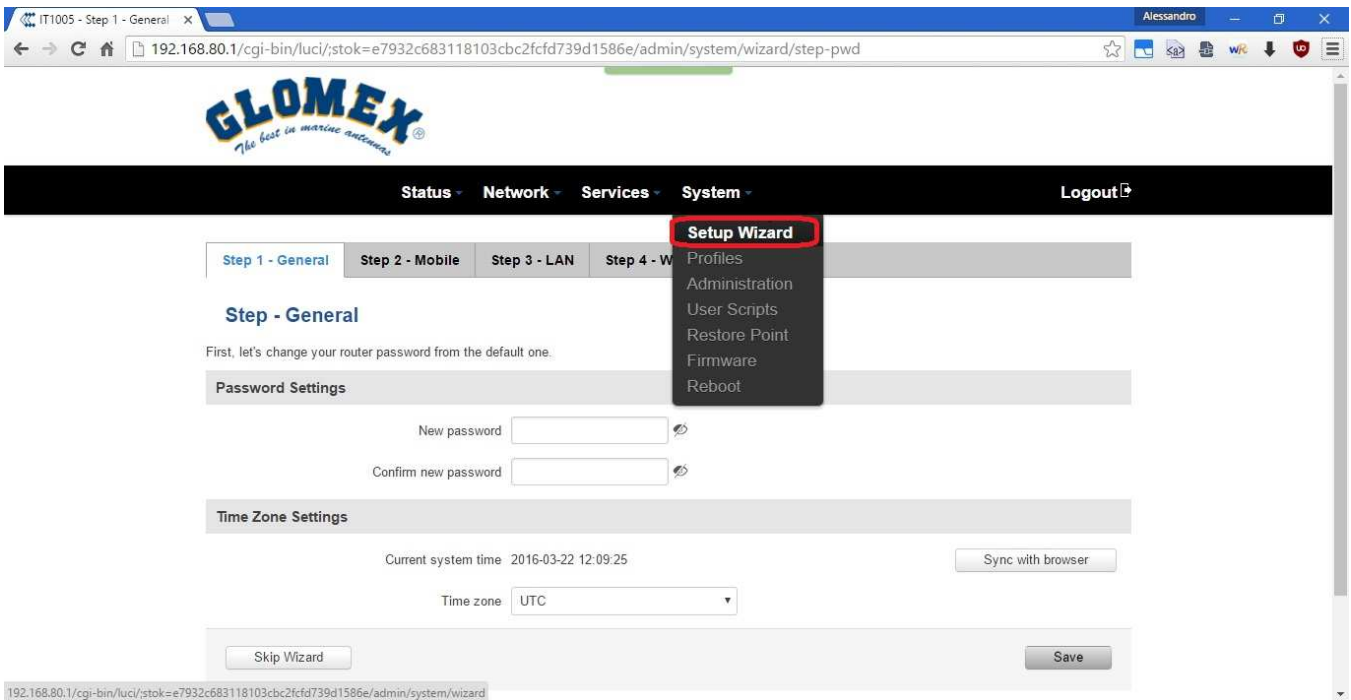


Open your web browser and type the weBBoat's default IP

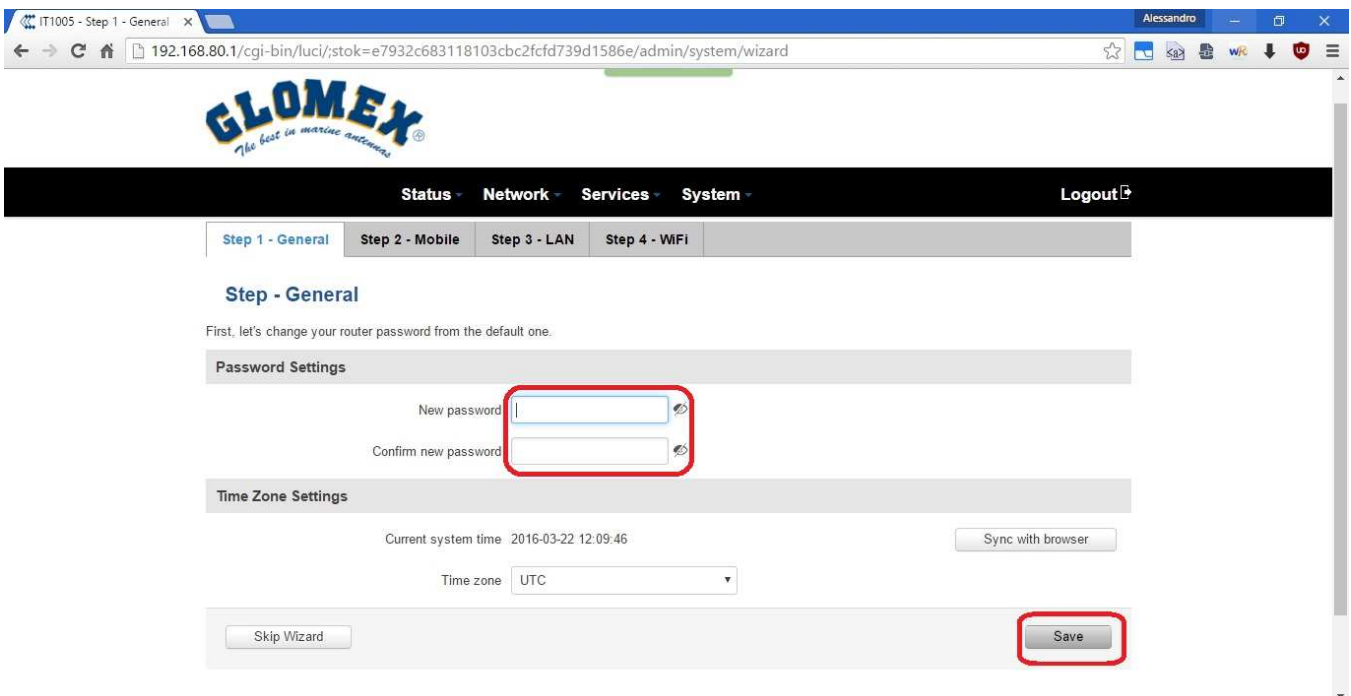
192.168.80.1

The default admin password

admin01



Select System – Setup Wizard

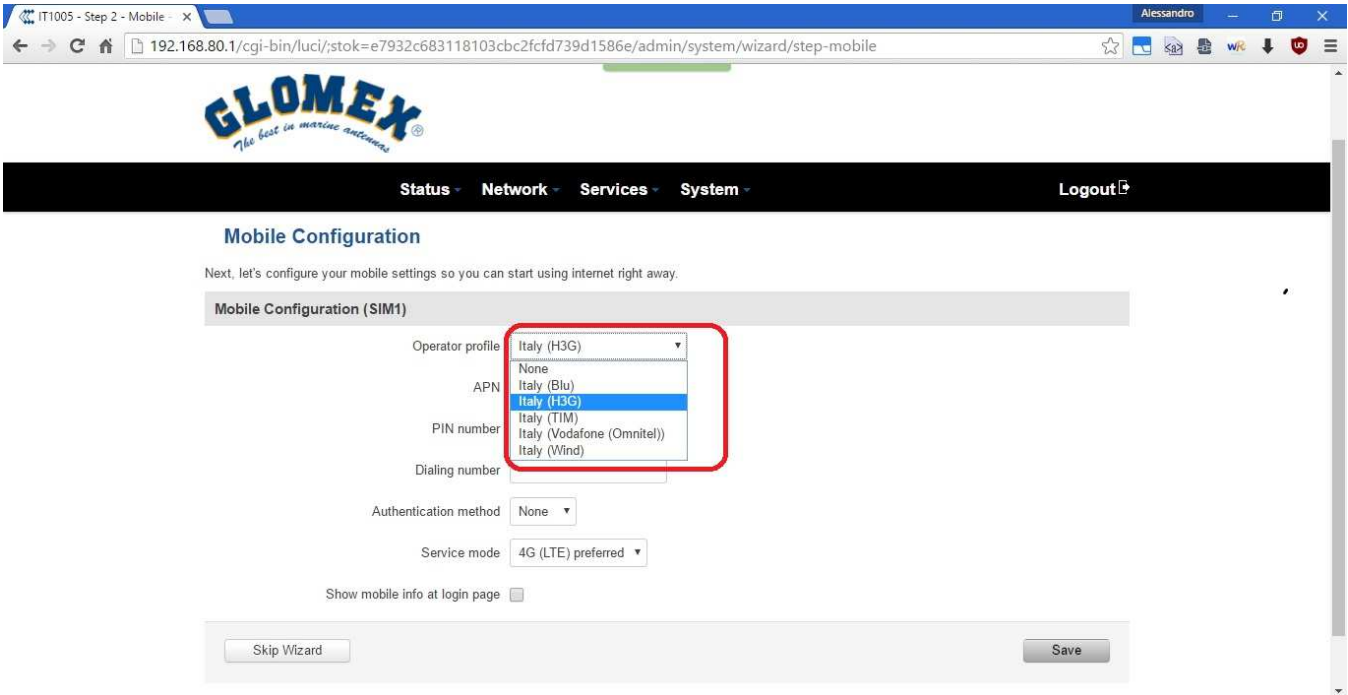


Step 1: General

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.

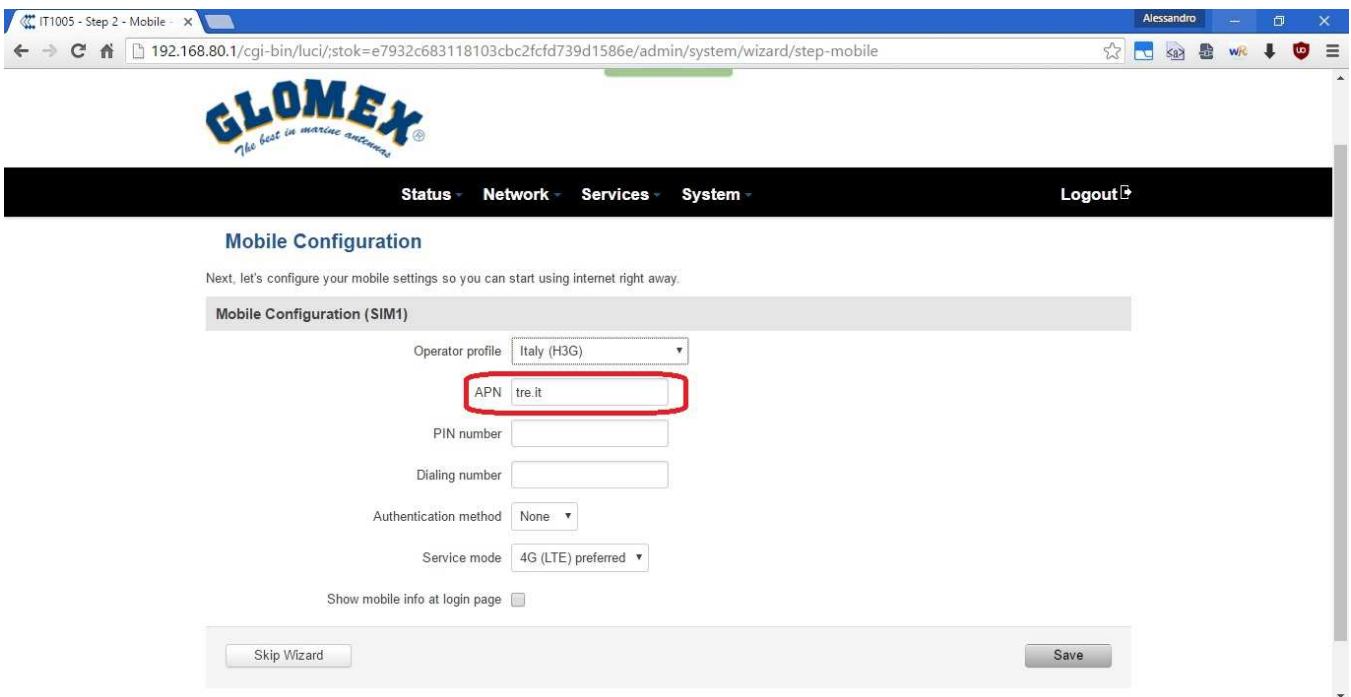
Press **Save**.



Step 2: Mobile

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

Press **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**.

IT1005 - Step 3 - LAN - W... Alessandro

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

GLOMEX
The best in marine antennas

Status Network Services System Logout

Step 1 - General Step 2 - Mobile Step 3 - LAN Step 4 - WiFi

Step - LAN

Here we will setup the basic settings of a typical LAN configuration. The wizard will cover 2 basic configurations: static IP address LAN and DHCP client.

General Configuration

IP address

Netmask

Enable DHCP

Start

Limit

Lease time

Step 3: LAN

Here you don't need to modify anything.

Press Save.

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

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

GLOMEX
The best in marine antennas

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

Mode

Channel

Encryption

Country Code

Glomex www.glomex.it

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=e7932c683118103cbc2fcd739d1586e/admin/system/wizard/step-wifi

GLOMEX
The best in marine antennas

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	8.7% CPU load
Router uptime	0d 0h 1m 14s (since 2016-04-27, 08:58:27)
Local device time	2016-04-27, 08:59:41
Free memory	87 MB (70%) RAM / 5.9 MB (93%) FLASH
Firmware version	IT1005_R_10.02.112

Mobile	-104 dBm
Data connection	0d 0h 0m 34s (since 2016-04-27, 08:59:07)
State	Registered (home); 3 ITA; 3G (WCDMA)
SIM card slot in use	SIM 1 (Ready)
Bytes received/sent *	412.9 KB / 197.8 KB

Wireless	ON
SSID	James_Boat (AP)
Mode	1- AP; 1 CH (2.412 GHz)

WAN	Mobile
IP address	10.82.9.54
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.

Overview

Mobile

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

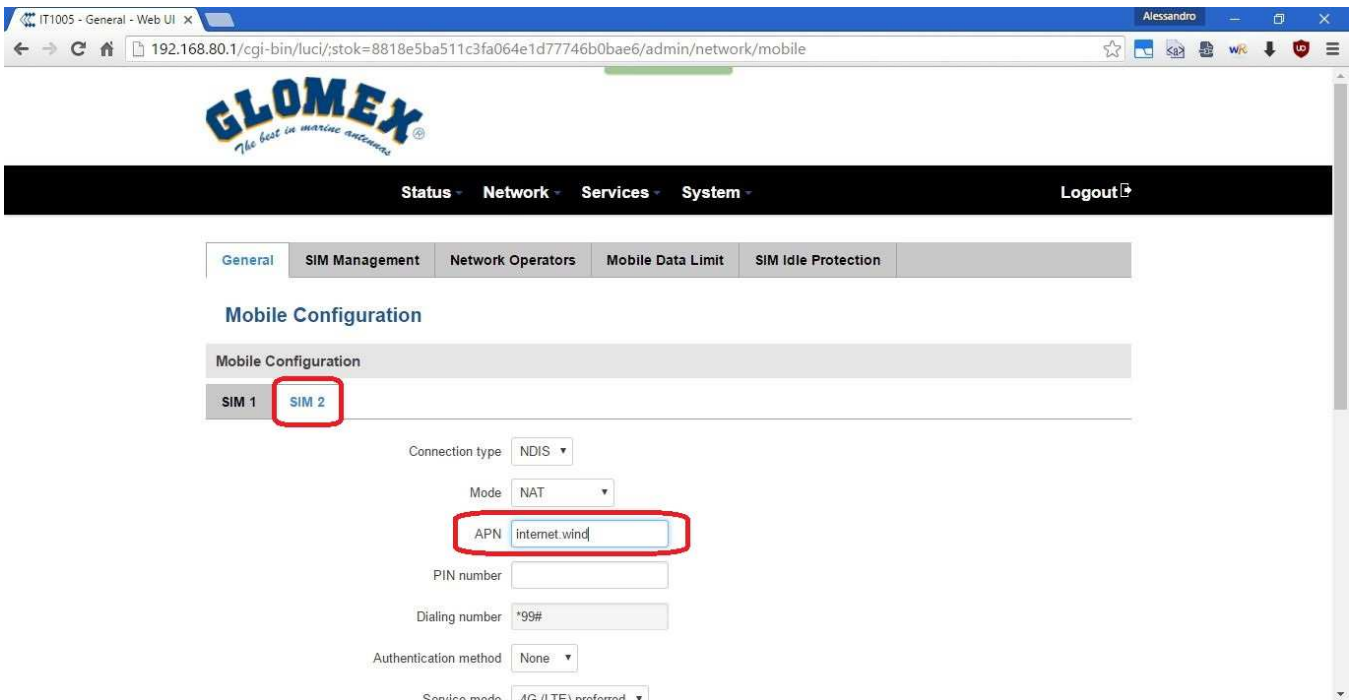
System	8.7% CPU load
Router uptime	0d 0h 1m 24s (since 2016-04-27, 08:59:07)
Local device time	2016-04-27, 08:59:41
Free memory	87 MB (70%) RAM / 5.9 MB (93%) FLASH
Firmware version	IT1005_R_10.02.112

Mobile	-104 dBm
Data connection	0d 0h 0m 44s (since 2016-04-27, 08:59:07)
State	Registered (home); 3 ITA; 3G (WCDMA)
SIM card slot in use	SIM 1 (Ready)
Bytes received/sent *	415.1 KB / 199.9 KB

Wireless	ON
SSID	James_Boat (AP)
Mode	1- AP; 1 CH (2.412 GHz)

WAN	Mobile
IP address	10.82.9.54
Backup WAN status	Backup link is disabled

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#

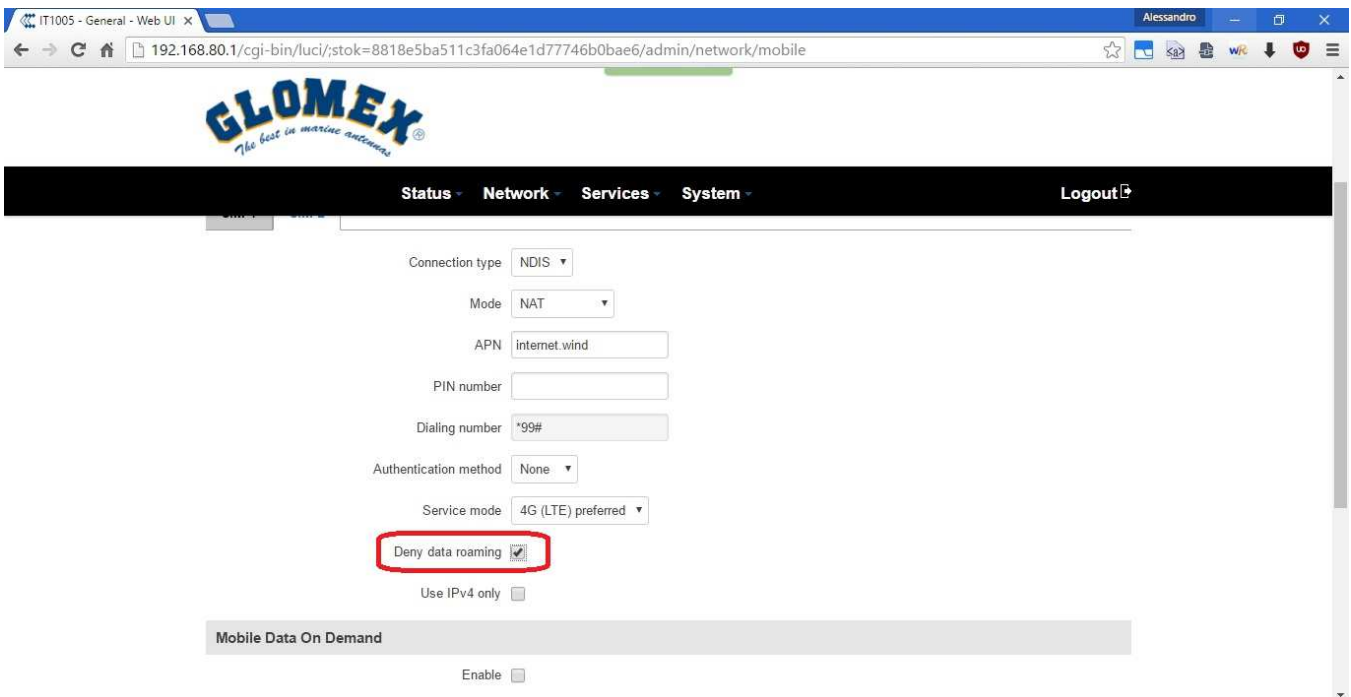
Authentication method: None

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

GLOMEX
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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

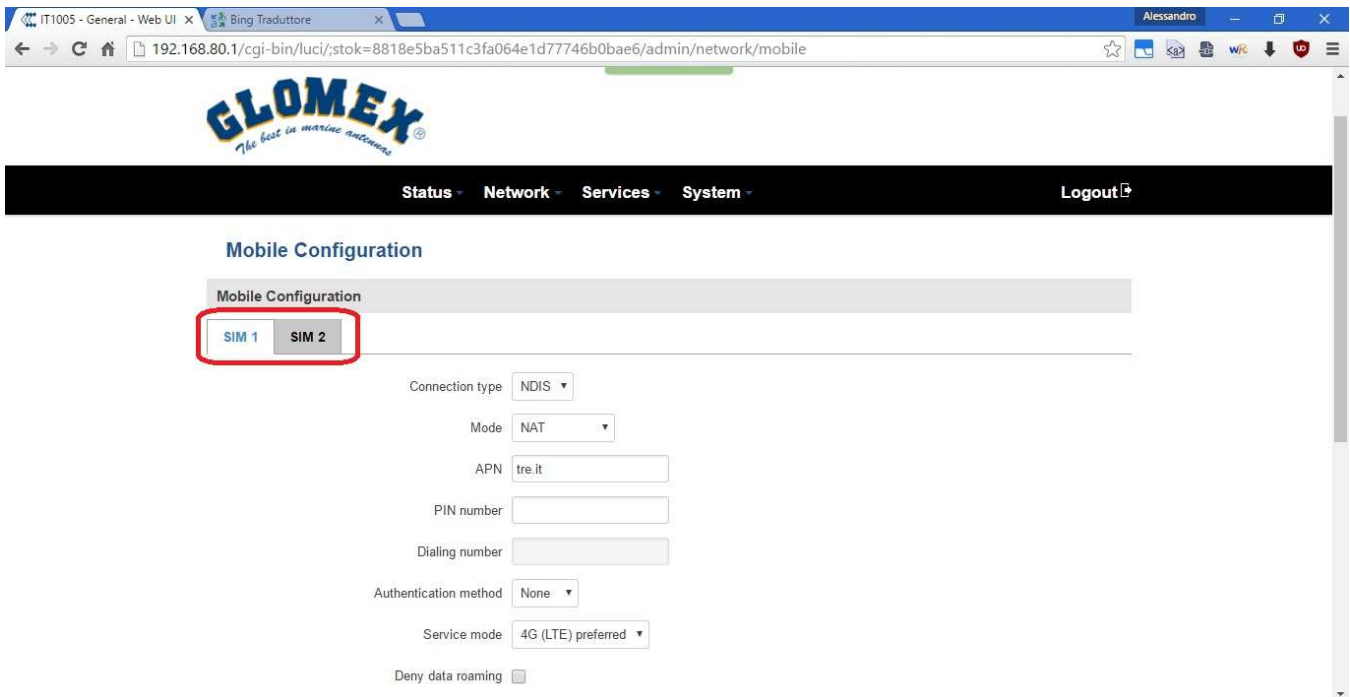
Use IPv4 only

Mobile Data On Demand

Enable

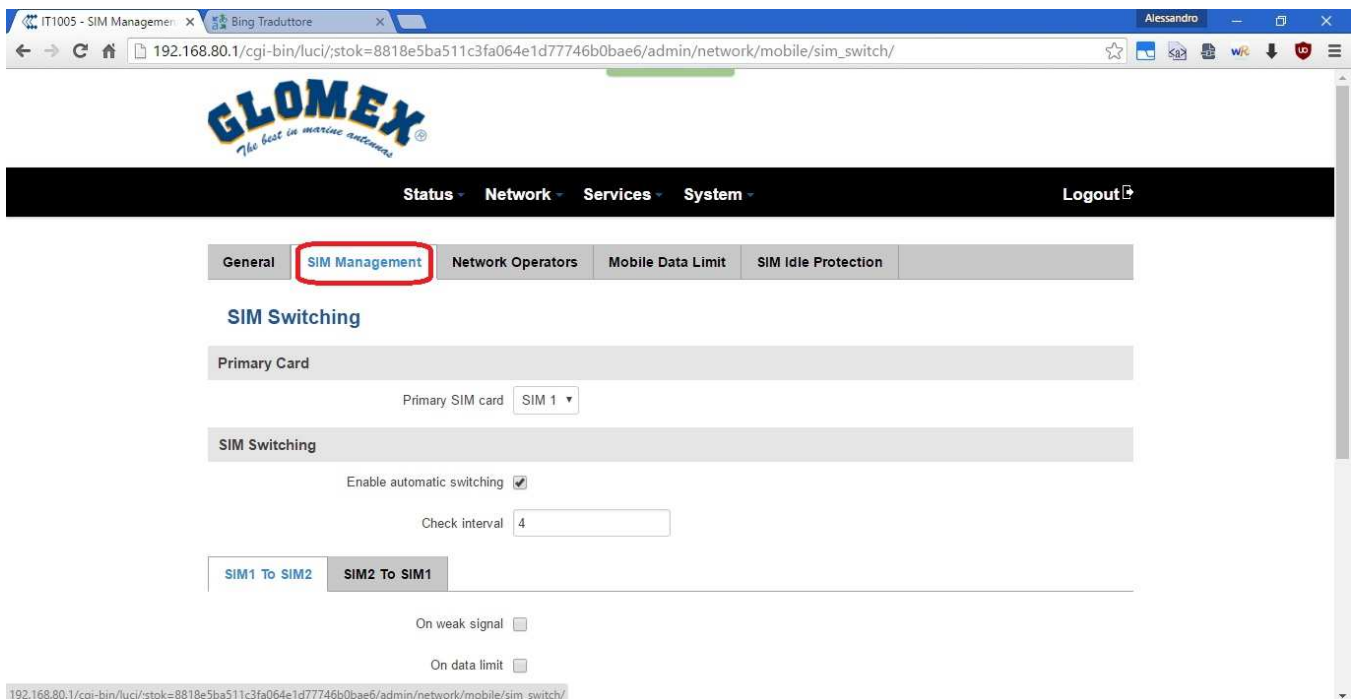
If you don't want the weBBoat to connect in roaming (i.e. when you go abroad) you have to tick the **Deny data roaming** checkbox and press **Save**.

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



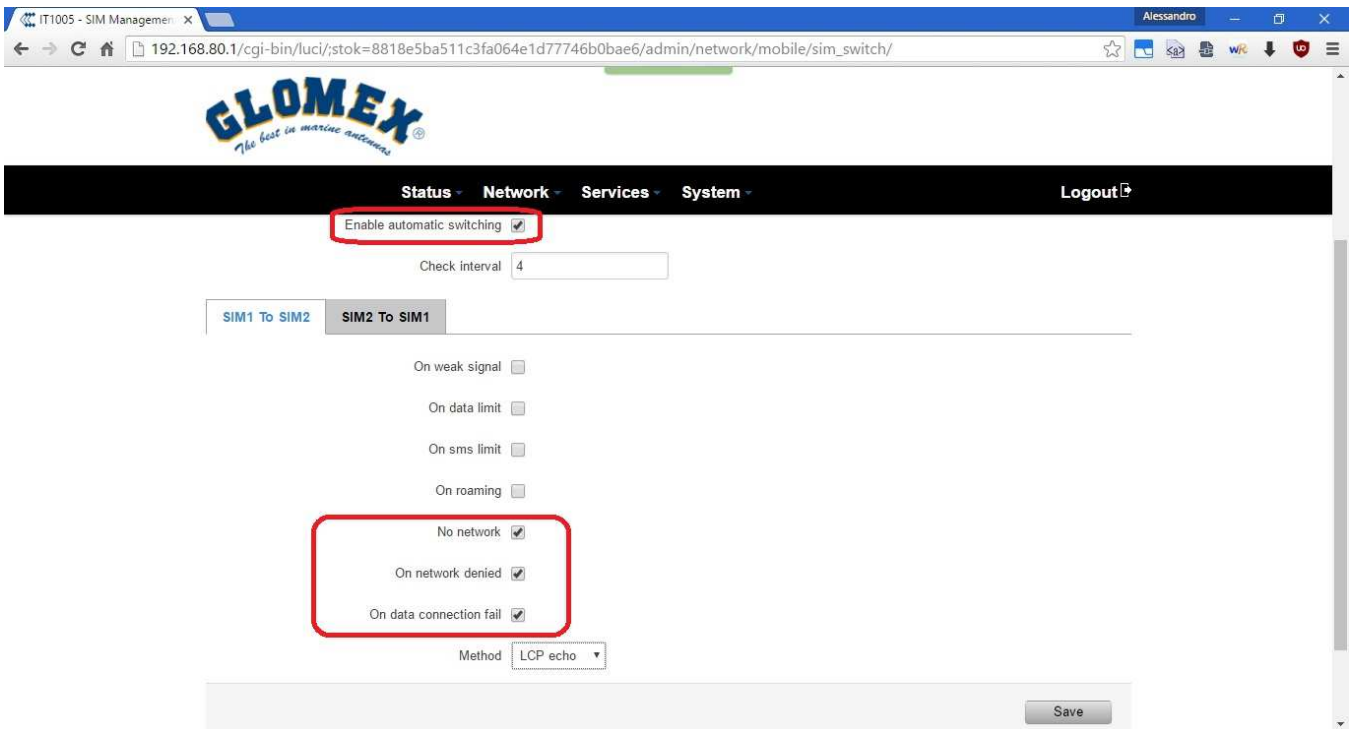
The screenshot shows the 'Mobile Configuration' page. At the top, there is a navigation bar with 'Status', 'Network', 'Services', and 'System' menus, and a 'Logout' link. Below the navigation bar, the 'Mobile Configuration' section is visible. It features two tabs: 'SIM 1' and 'SIM 2', both of which are highlighted with a red rectangular box. The 'SIM 2' tab is currently selected. The configuration options for the selected SIM include: Connection type (NDIS), Mode (NAT), APN (tre.it), PIN number, Dialing number, Authentication method (None), Service mode (4G (LTE) preferred), and Deny data roaming (unchecked).

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



The screenshot shows the 'SIM Management' page. At the top, there is a navigation bar with 'Status', 'Network', 'Services', and 'System' menus, and a 'Logout' link. Below the navigation bar, the 'SIM Management' menu is highlighted with a red rectangular box. The 'SIM Management' section is visible, featuring a 'SIM Switching' sub-section. The 'SIM Switching' section includes a 'Primary Card' section with a 'Primary SIM card' dropdown menu set to 'SIM 1'. Below this, there is a 'SIM Switching' section with an 'Enable automatic switching' checkbox checked and a 'Check interval' input field set to '4'. At the bottom of the 'SIM Switching' section, there are two tabs: 'SIM1 To SIM2' and 'SIM2 To SIM1', both of which are highlighted with a red rectangular box. Below the tabs, there are two checkboxes: 'On weak signal' (unchecked) and 'On data limit' (unchecked).

Select the **SIM Management** menu.



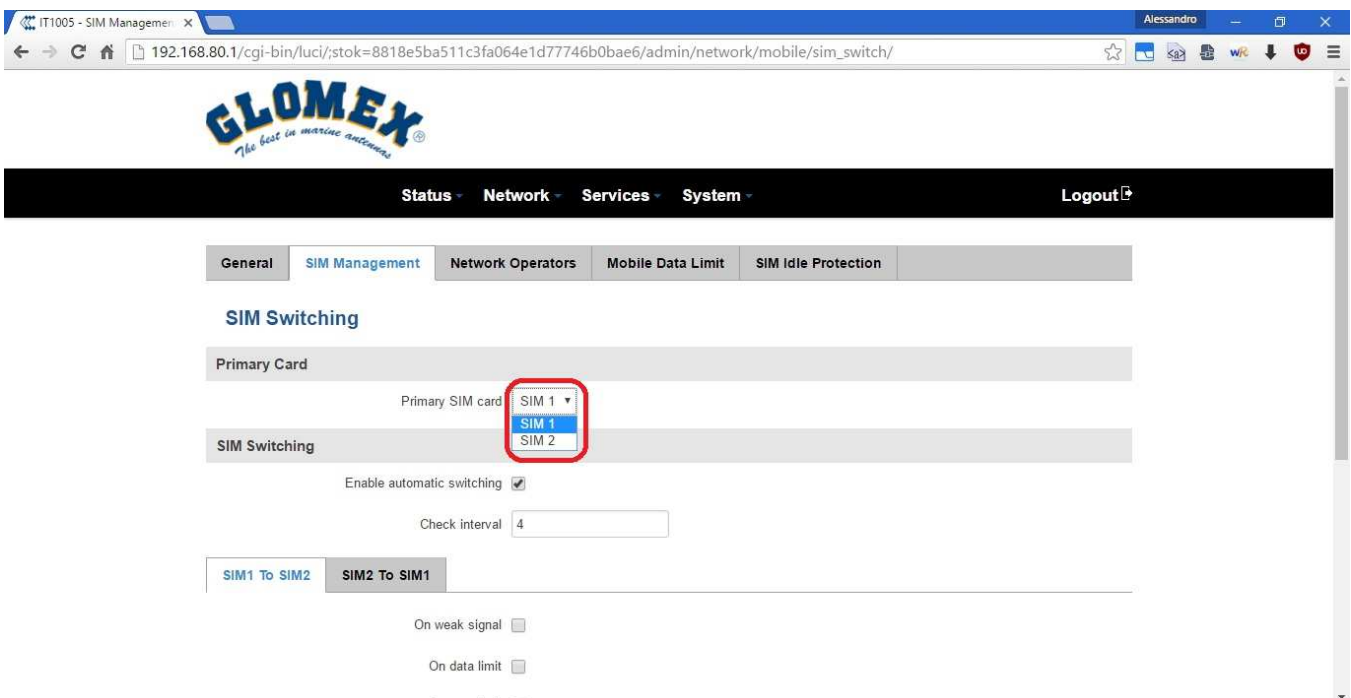
The screenshot shows the 'SIM Switching' configuration page in the GLOMEX web interface. The 'Enable automatic switching' checkbox is checked and highlighted with a red box. Below it, the 'Check interval' is set to 4. The 'SIM2 To SIM1' tab is selected. Under this tab, several conditions are listed with checkboxes: 'On weak signal', 'On data limit', 'On sms limit', 'On roaming', 'No network' (checked and highlighted with a red box), 'On network denied' (checked), and 'On data connection fail' (checked). The 'Method' is set to 'LCP echo'. A 'Save' button is visible at the bottom right.

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.

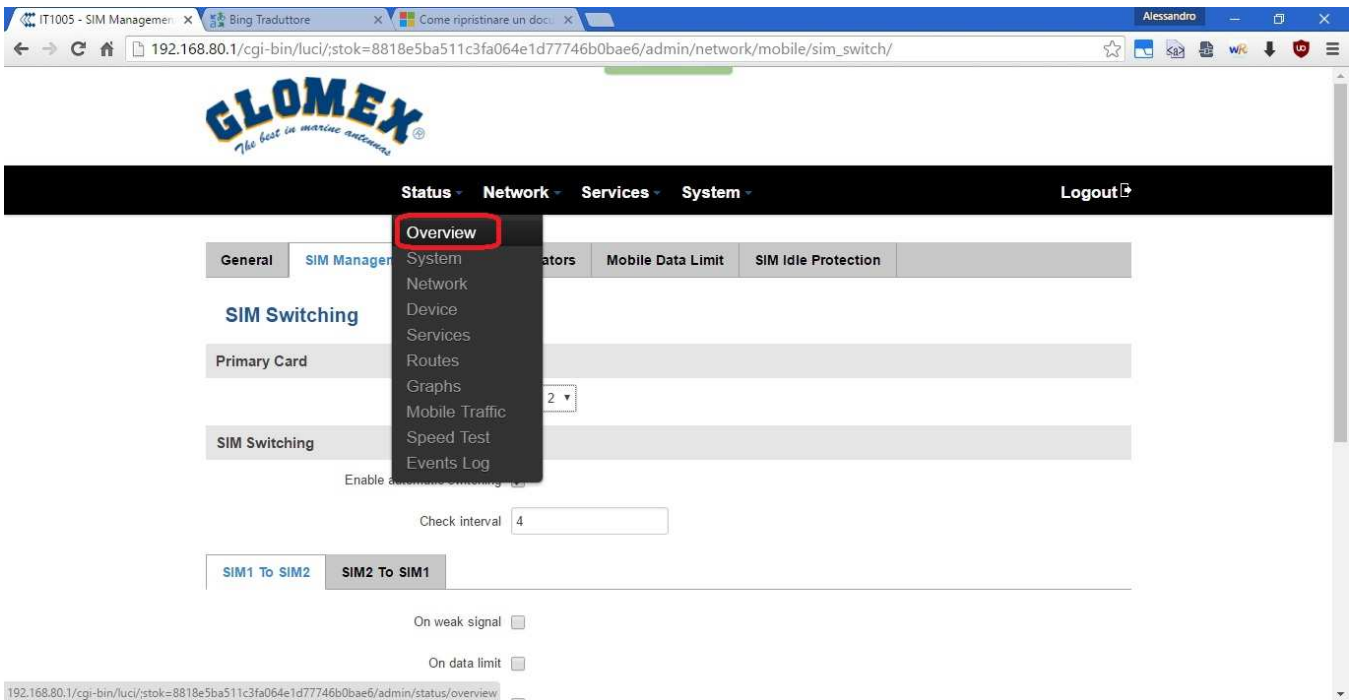
We suggest to tick: **No network**, **On network denied** and **On data connection fail**.

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).

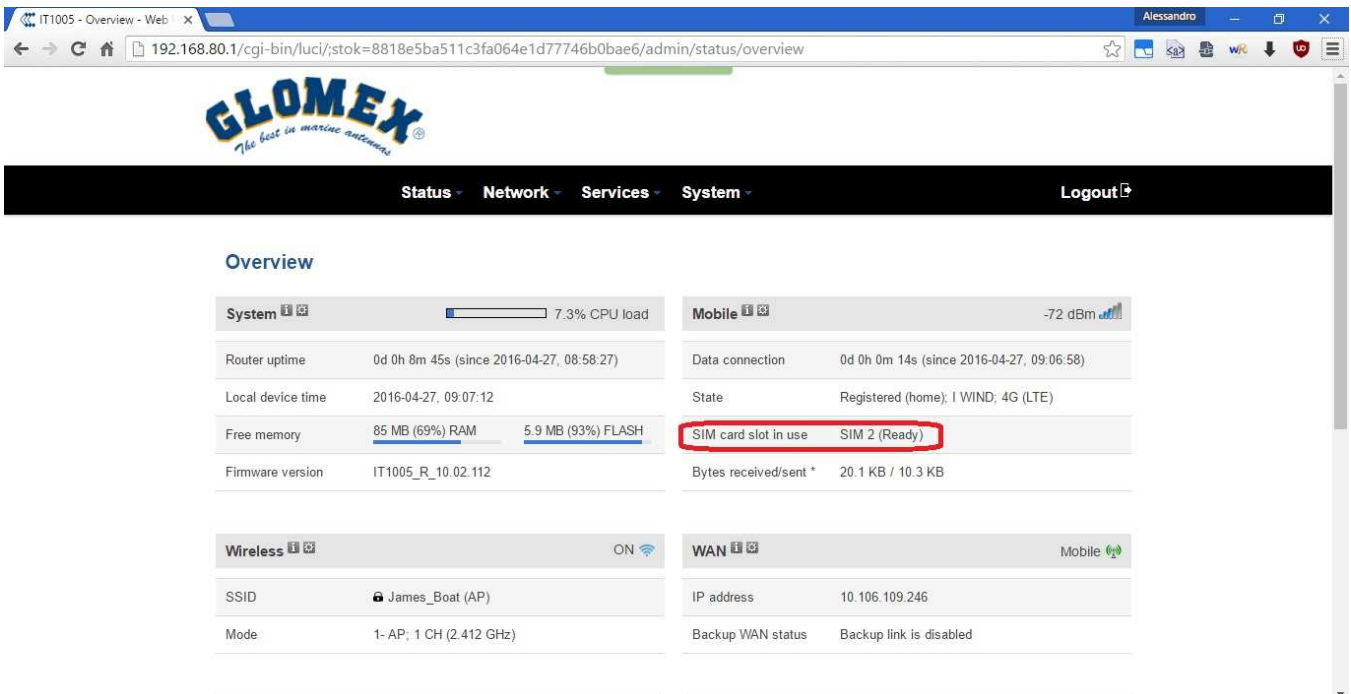


The screenshot shows the 'SIM Management' configuration page in the GLOMEX web interface. The 'SIM Switching' section is expanded. The 'Primary SIM card' dropdown menu is open, showing 'SIM 1' selected and 'SIM 2' as an option, with the dropdown menu highlighted by a red box. Below this, the 'Enable automatic switching' checkbox is checked. The 'Check interval' is set to 4. The 'SIM2 To SIM1' tab is selected. Under this tab, several conditions are listed with checkboxes: 'On weak signal', 'On data limit', 'On sms limit', 'On roaming', 'No network' (checked), 'On network denied' (checked), and 'On data connection fail' (checked). The 'Method' is set to 'LCP echo'. A 'Save' button is visible at the bottom right.

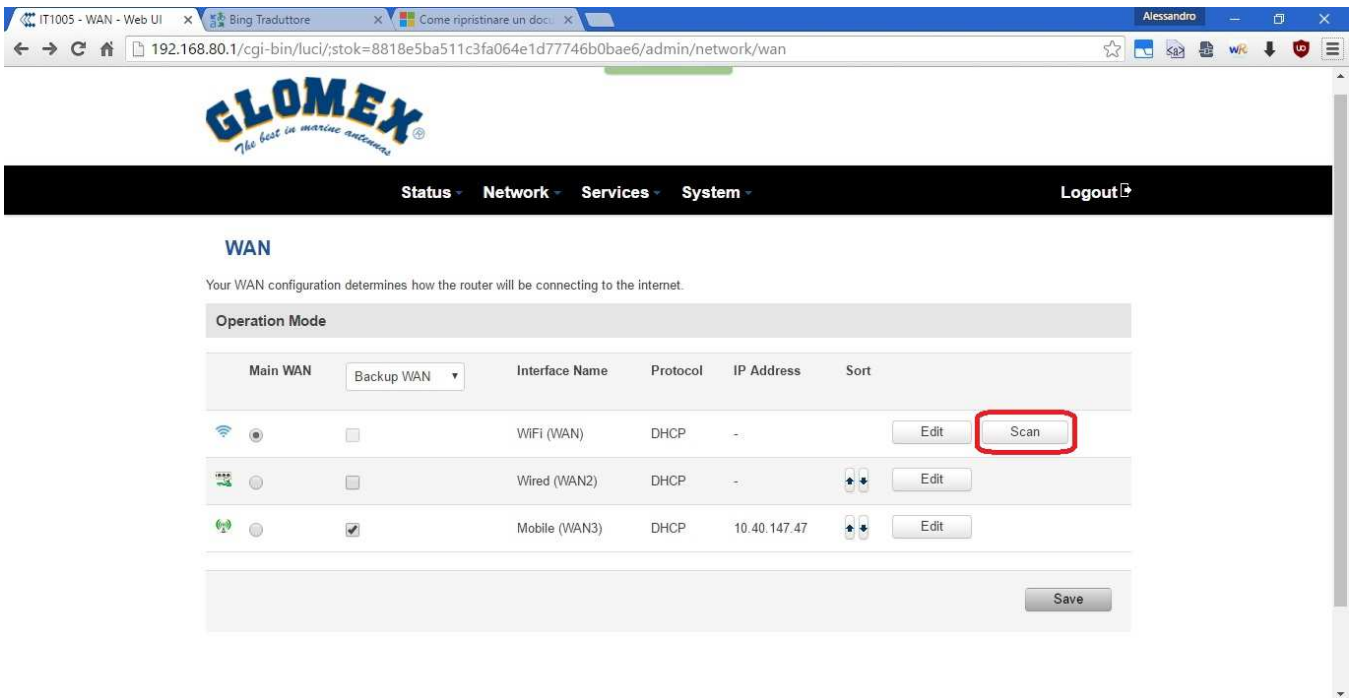
Here you can manually select the SIM in use by selecting it in the **Primary SIM card** drop down menu.



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

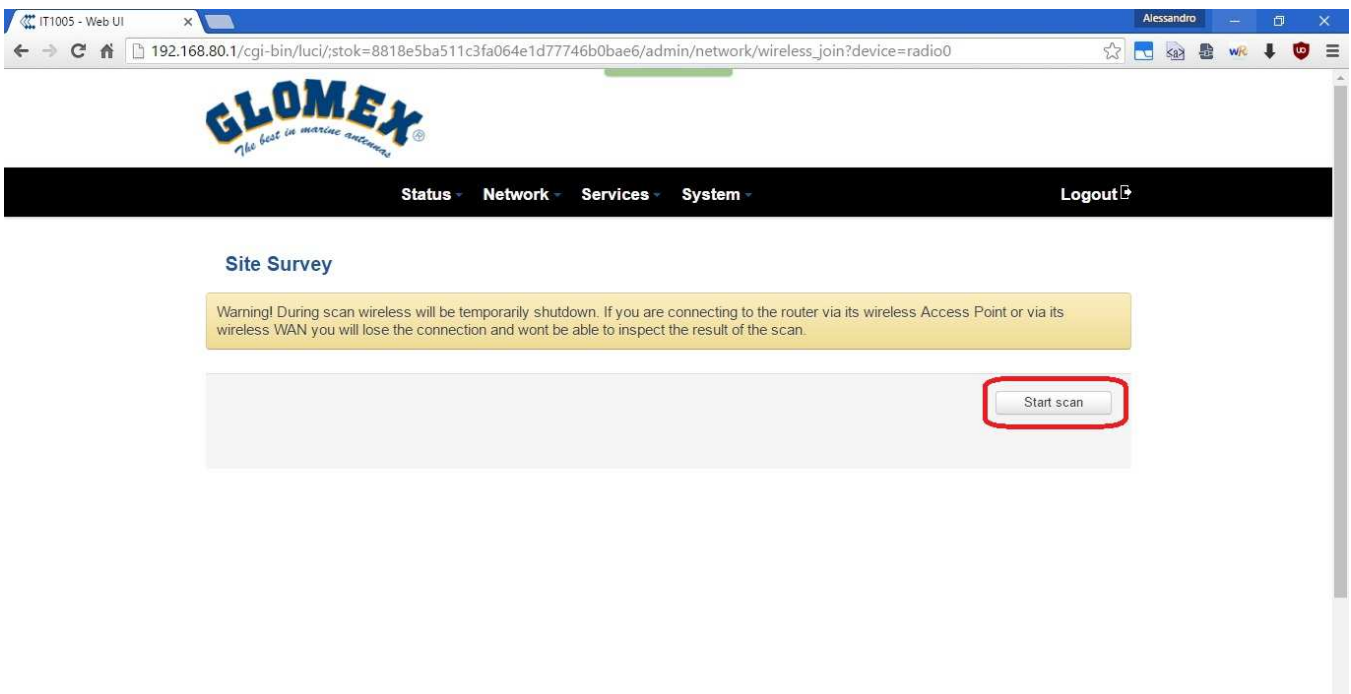


You can see that the SIM card in use is the one in the second slot.



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' link. 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 titled 'Operation Mode' with a dropdown menu set to 'Backup WAN'. Below this is a table with columns: 'Main WAN', 'Interface Name', 'Protocol', 'IP Address', and 'Sort'. The table contains three rows: 'WiFi (WAN)' with protocol 'DHCP' and an empty IP address; 'Wired (WAN2)' with protocol 'DHCP' and an empty IP address; and 'Mobile (WAN3)' with protocol 'DHCP' and IP address '10.40.147.47'. Each row has an 'Edit' button and a 'Scan' button. The 'Scan' button for the 'WiFi (WAN)' row is highlighted with a red rectangle. At the bottom right of the table area, there is a 'Save' button.

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' link. 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.

The screenshot shows a web browser window with the URL `192.168.80.1/cgi-bin/luci/stok=8818e5ba511c3fa064e1d77746b0bae6/admin/network/wireless_join?scan=start`. The page displays a list of detected Wi-Fi networks with the following details:

Signal	Network Name	Channel	Mode	BSSID	Encryption	Action
55%	Channel: 6	Master	FC:0A:81:D6:C6:20	mixed WPA/WPA2 PSK (TKIP)	Join Network	
30%	Lenovo TAB 2 A10-30	6	Master	54:27:58:60:72:3F	WPA2 PSK (CCMP)	Join Network
100%	marina_wifi	8	Master	C4:6E:1F:F0:51:E0	mixed WPA/WPA2 PSK (CCMP)	Join Network
31%	hidden	10	Master	74:8E:FE:9B:EB:E0	WPA2 802.1X (CCMP)	Join Network
34%	Omni10_Setup_770	11	Master	B0:38:29:18:57:70	None	Join Network
38%	Omni20_Setup_3B0	11	Master	B0:38:29:11:B3:B0	None	Join Network
27%	hidden	10	Master	74:8E:FE:9B:EB:E3	mixed WPA/WPA2 PSK (TKIP)	Join Network
32%	hidden	10	Master	74:8E:FE:9B:EB:E5	WPA2 802.1X (CCMP)	Join Network
27%	hidden	10	Master	74:8E:FE:9B:EB:E2	mixed WPA/WPA2 802.1X (TKIP)	Join Network
27%	Mediaworld					Join Network

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

The screenshot shows the configuration page for joining the 'marina_wifi' network. The title is 'Join Network: "marina_wifi"'. There is a text input field for the 'WPA passphrase' which is currently empty and highlighted with a red rectangle. Below the input field are two buttons: 'Back to scan results' and 'Save'.

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.

IT1005 - Overview - Web UI

192.168.80.1/cgi-bin/luci/stok=8818e5ba511c3fa064e1d77746b0bae6/admin/status/overview

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).

IT1005 - WAN - Web UI

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

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
WiFi (WAN)	DHCP	192.168.88.59	Edit Scan
Wired (WAN2)	DHCP	-	Edit
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.