
Integrabus Wifi Eco



User Manual Rev. 01

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1. Product Overview

IntegraBus Wifi devices provide high quality Internet access (WLAN) in public transport vehicles. The devices are specially designed for use in public transport.

Main features:

- Industrial electronic and mechanical components
- 4G (LTE) Network
- Provide access for up to 50 users
- The unique, Fair Bandwidth technology, helps to avoid downloading bigger amount on data from the same address (i.e. streaming music or movie), but supports preferring the normal browsing (looking websites, mailing functions).

2. Default configuration

The Wifi Eco router device is shipped with the following factory default network settings:

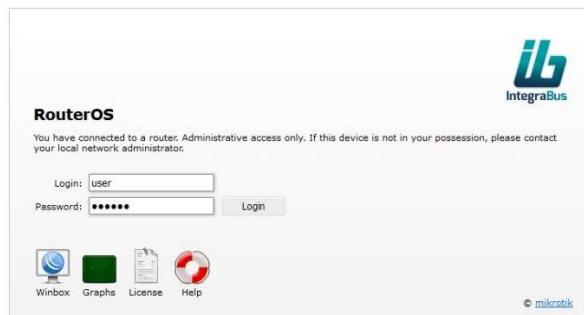
SSID: Integrabus
Password: no password

Upon request the devices can be shipped with special configuration settings.

3. Configuration interface

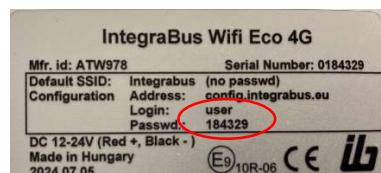
The basic WLAN parameters can be set by the integrated web configuration interface of the device. Follow the next steps to enter configuration surface:

1. Power on Wifi Eco router and wait until the Wifi network is available.
2. Connect to the Wifi network of the device to be set. Use the factory default or the last configured SSID/password settings.
3. On a computer or a smartphone start the web browser and go to config.integrabus.eu page or 10.10.11.254 IP address.

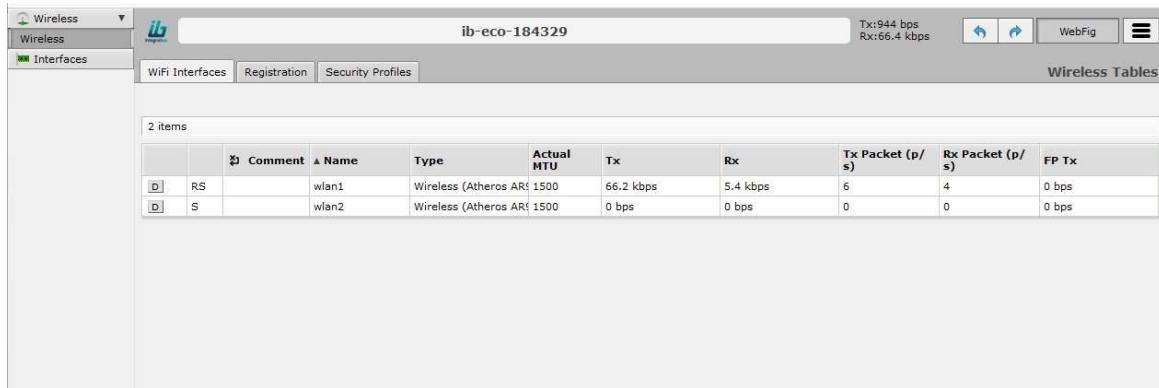


Login: user

Password: Password can be found on product label



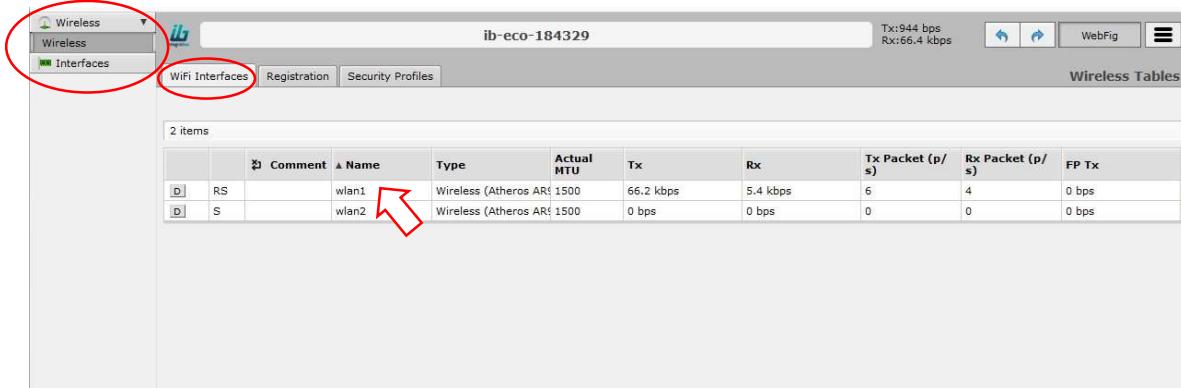
4. If the entered login and password is correct the device enters to the configuration page:



	Comment	Name	Type	Actual MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx
D	RS	wlan1	Wireless (Atheros AR51500)	66.2 kbps	66.2 kbps	5.4 kbps	6	4	0 bps
D	S	wlan2	Wireless (Atheros AR51500)	1500	0 bps	0 bps	0	0	0 bps

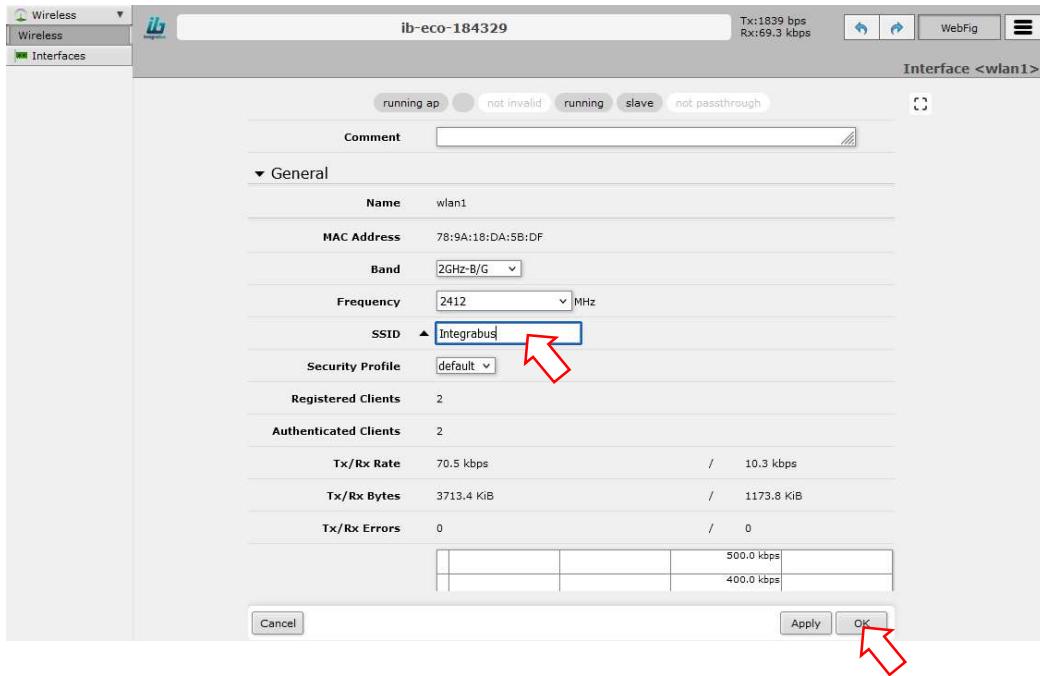
4. Setting new SSID

1. Enter into the Configuration interface as it is described in point 3.
Please note that there are 2 integrated Wifi interface in Wifi Eco device, so you must set the new SSID on both.
2. Select Wireless menu and Wireless submenu on top left corner of the page.
Please check the **WiFi Interfaces** tab is active.
Click on **wlan1** interface line.



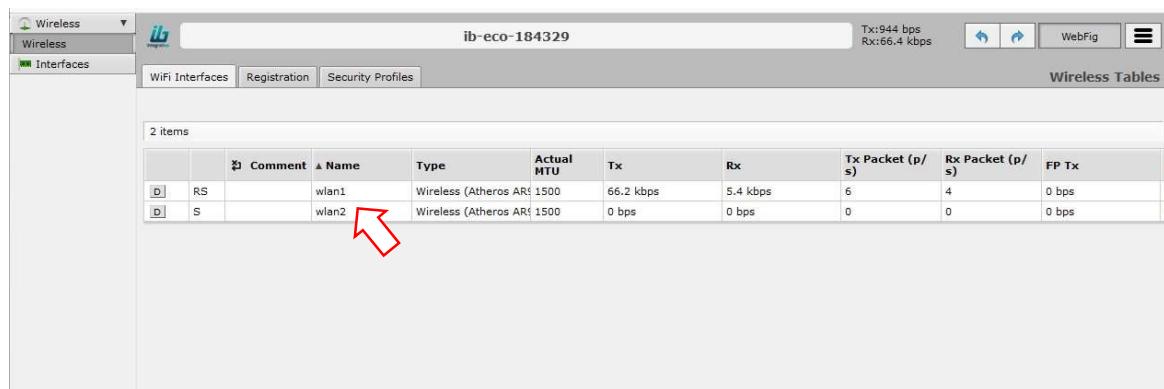
	Comment	Name	Type	Actual MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx
D	RS	wlan1	Wireless (Atheros AR51500)	66.2 kbps	66.2 kbps	5.4 kbps	6	4	0 bps
D	S	wlan2	Wireless (Atheros AR51500)	1500	0 bps	0 bps	0	0	0 bps

3. In SSID field enter the new SSID name you want to use, and click on **OK** button.

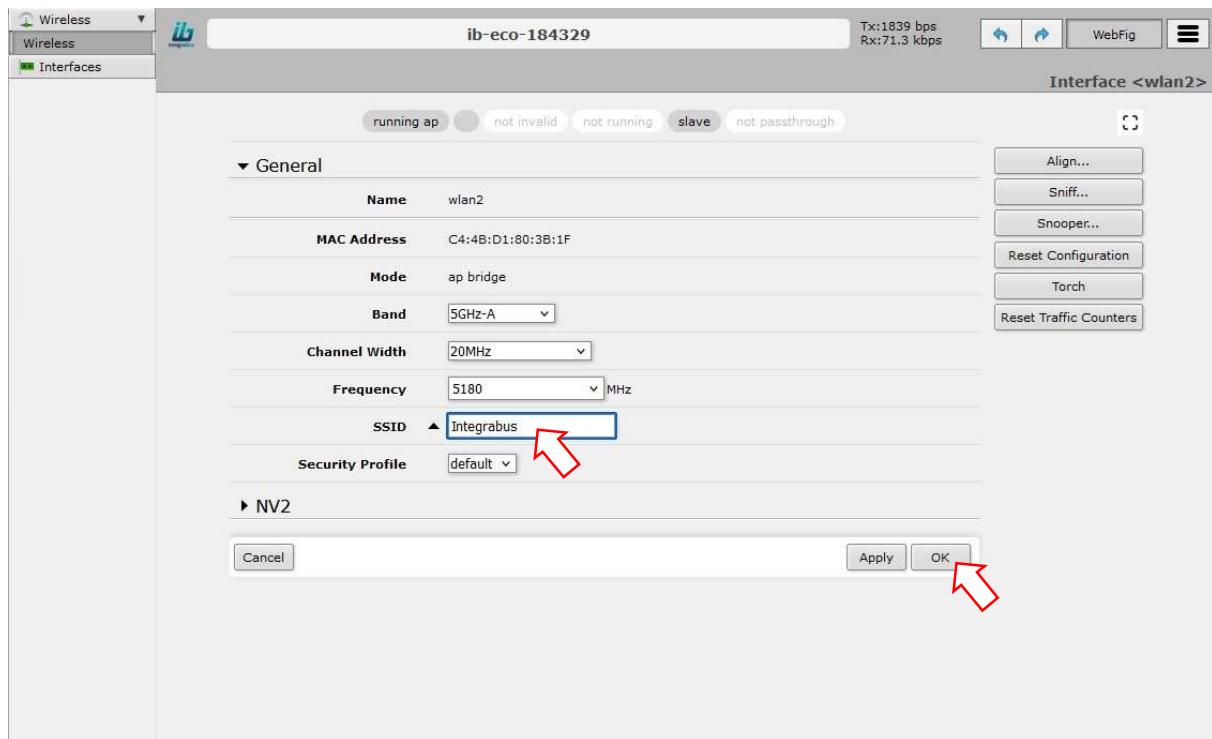


After SSID reconfiguration the connection can be lost and your computer or mobile device need to be reconnected!

4. Go back to Wireless submenu page and click on **wlan2** interface line.



5. In SSID field enter the new SSID name you want to use, and click on OK button.



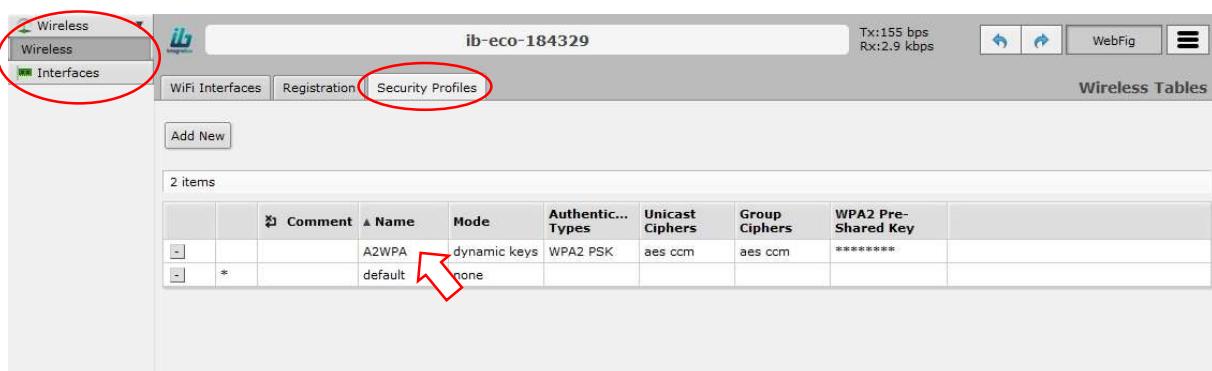
After SSID reconfiguration the connection can be lost and your computer or mobile device need to be reconnected!

If you want to protect your wifi network with password, please follow the point 5 or if you prefer your network to be free, follow the point 6.

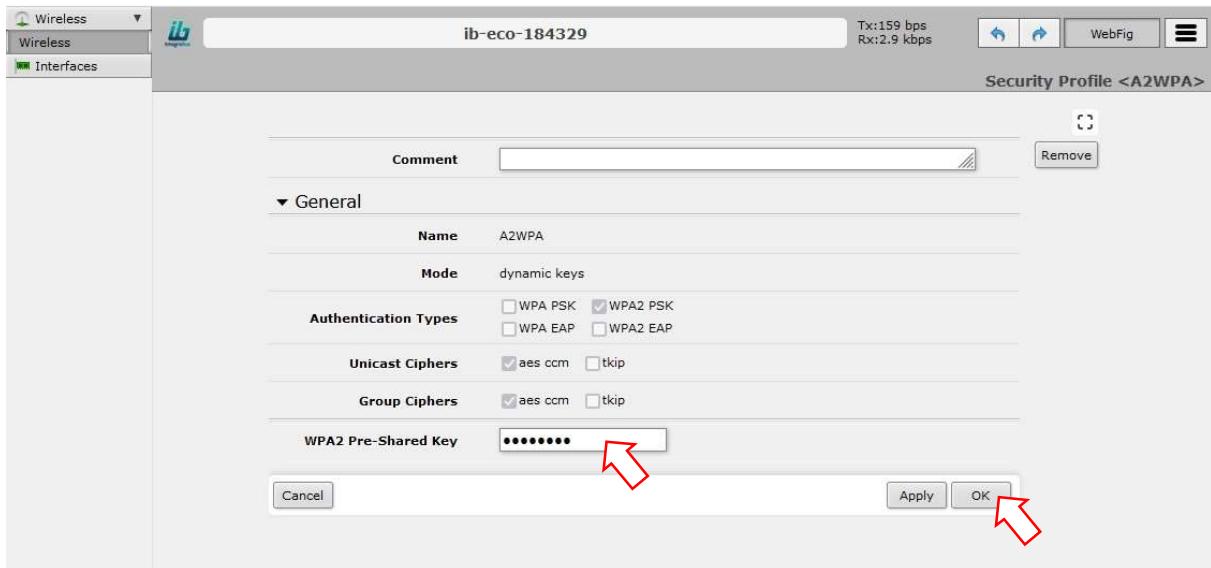
5. Setting new Password

If you want password protected Wifi network you can set the password in the following way.

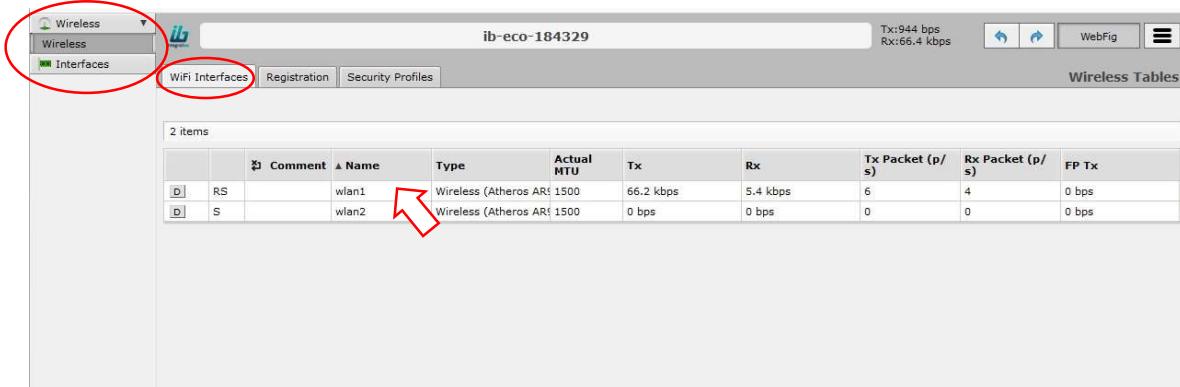
1. Enter into the Configuration interface as it is described in point 3.
2. Select Wireless menu and Wireless submenu on top left corner of the page.
Please select Security Profiles tab.
Click on A2WPA line.



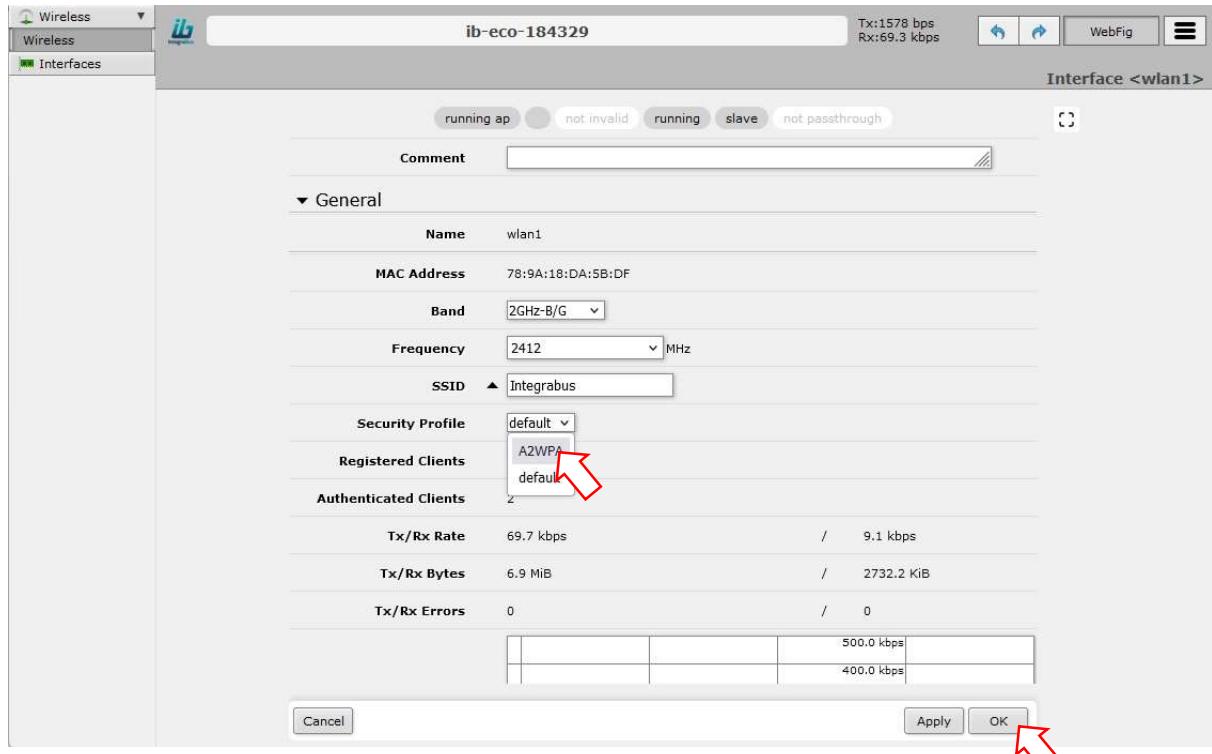
3. In WPA Pre-Shared Key field enter the new password you want to use, and click on OK button.



4. Go back to Wireless menu and Wireless submenu page and select Wifi Interfaces tab.
Click on **wlan1** interface line.



5. In **Security Profile** drop down list select **A2WPA** item, and click on **OK** button.

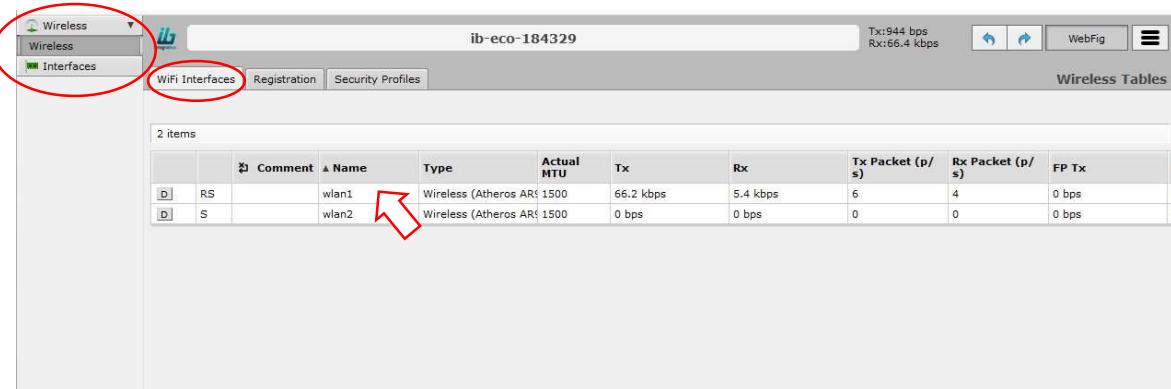


6. Go back to Wireless menu and Wireless submenu page and **repeat the same process** on **wlan2** interface what you did on **wlan1** interface in **point 4 and 5**.

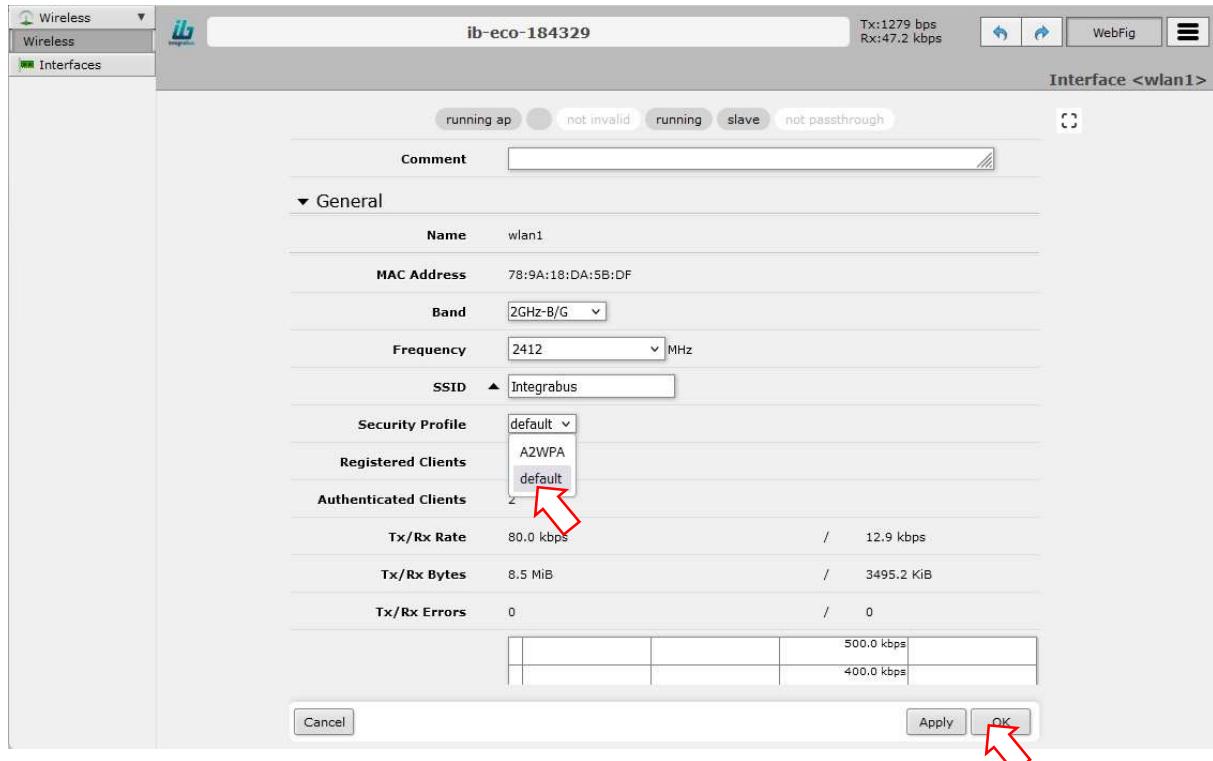
6. Setting free wifi network

To set free wifi network you can disable the password in the following way.

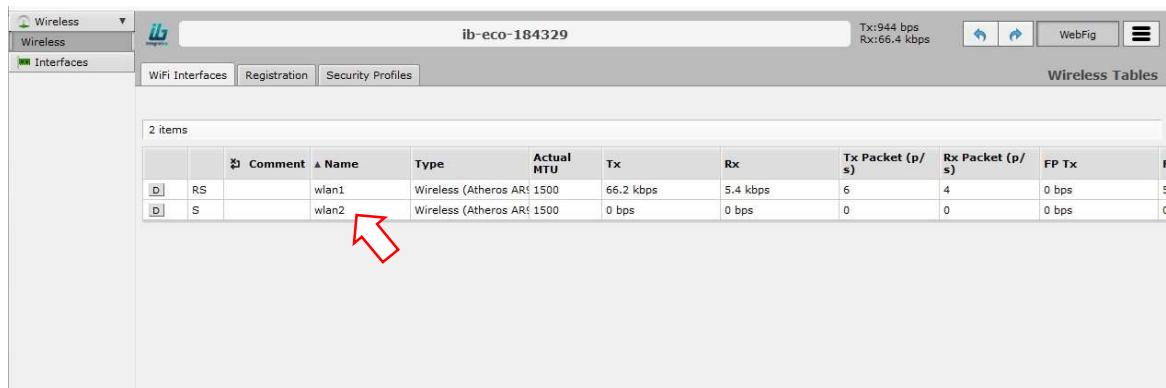
1. Enter into the Configuration interface as it is described in point 3.
2. Go to Wireless menu and Wireless submenu page and select WiFi Interfaces tab.
Click on **wlan1** interface line.



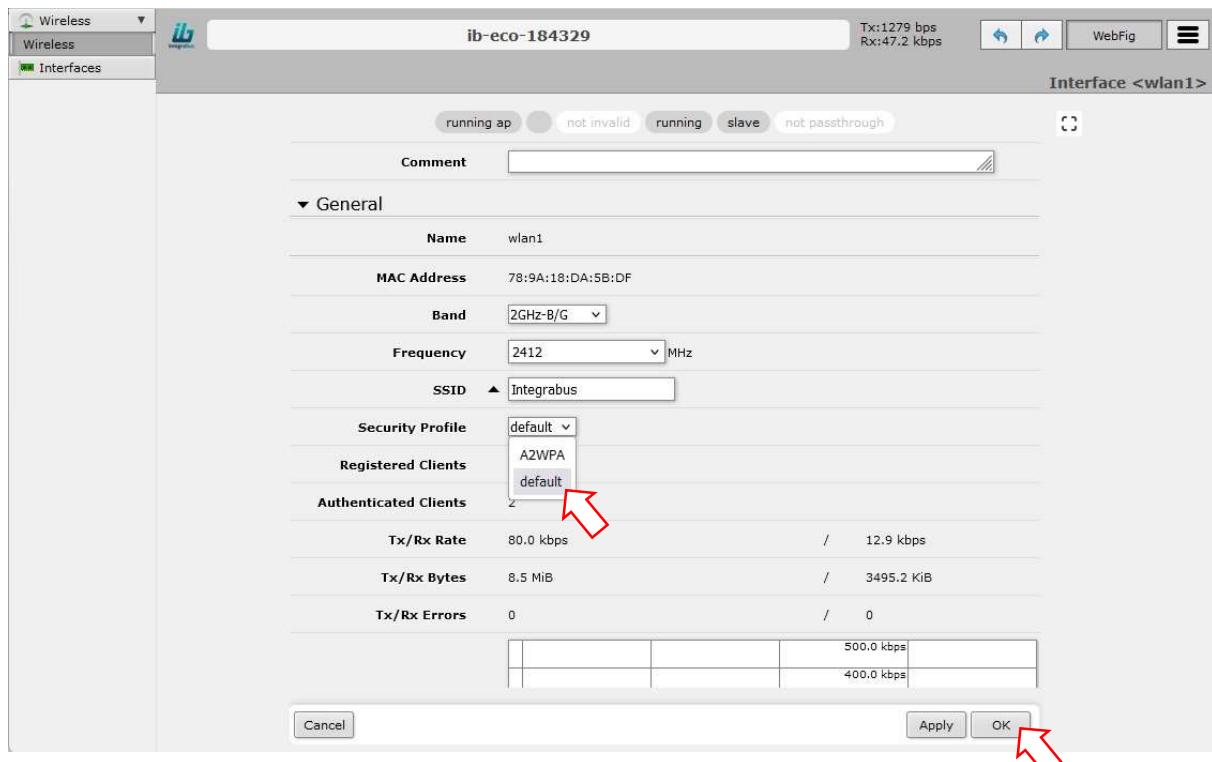
3. In Security Profile drop down list select **default** item, and click on OK button.



4. Go back to Wireless submenu page and click on **wlan2** interface line.



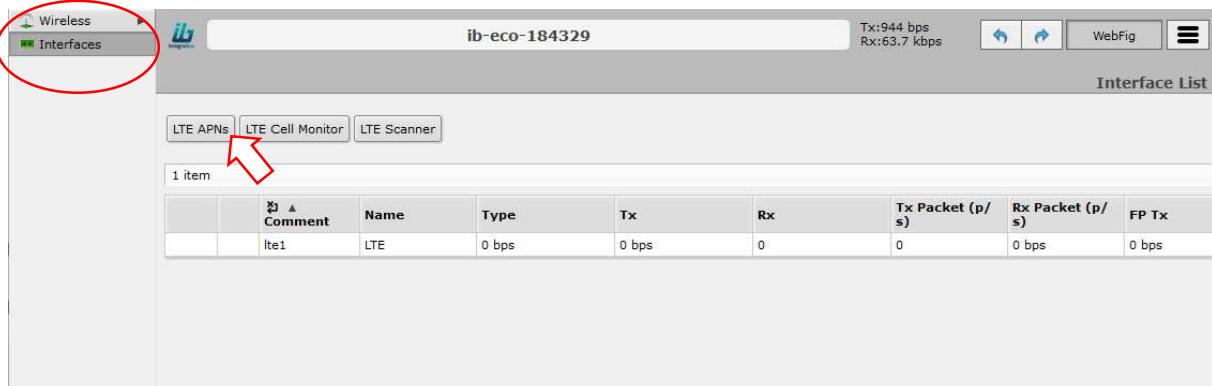
5. In Security Profile drop down list select **default** item, and click on OK button.



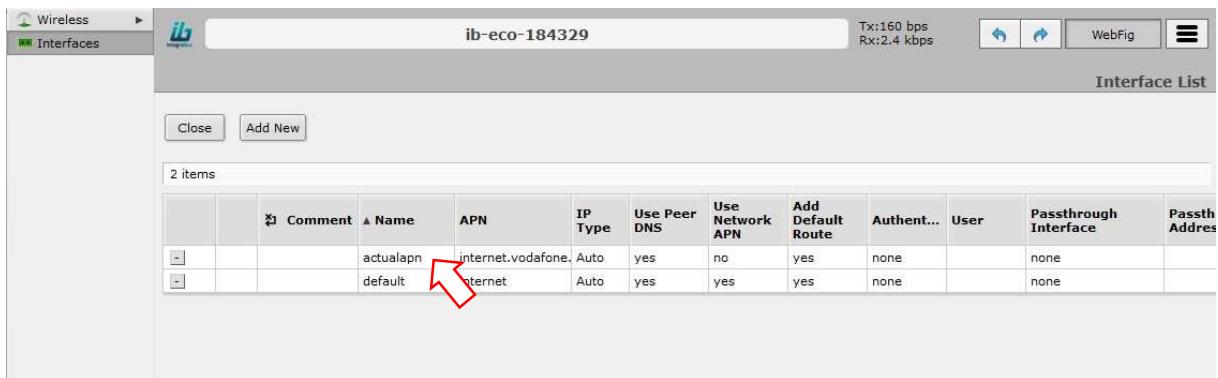
7. Setting APN

To set special APN belonging your SIM card please follow the steps below.

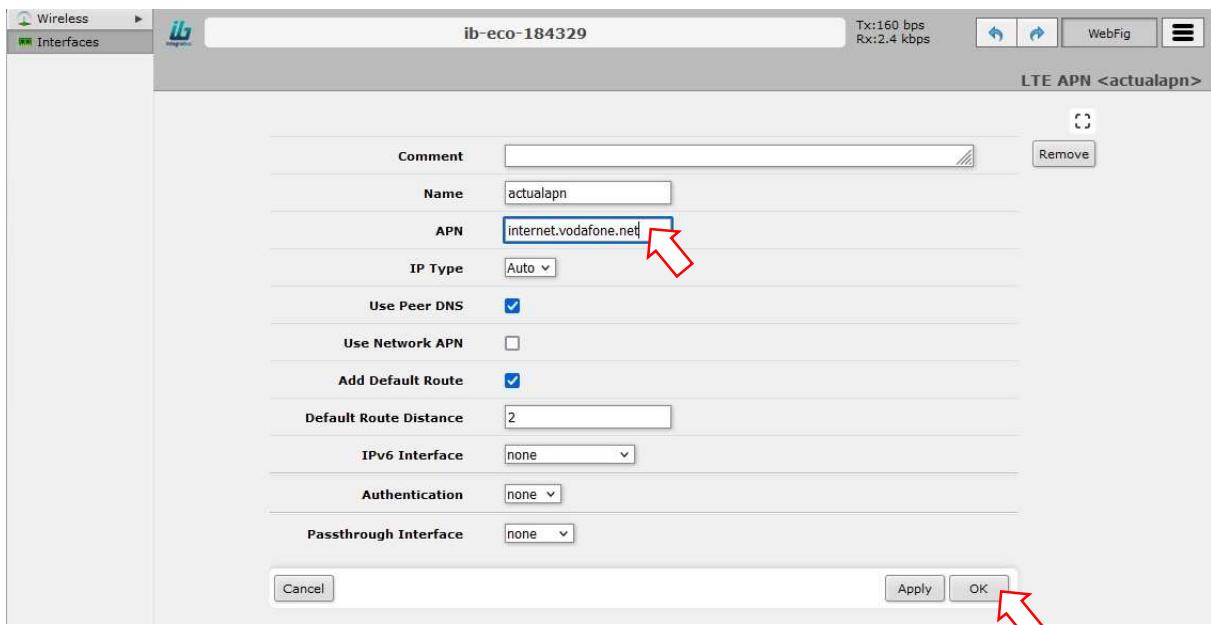
1. Enter into the Configuration interface as it is described in point 3.
2. Select Interfaces Menu on top left corner of the page.
Click on **LTE APNs** button.



3. Click on **actualapn** line.



4. Enter the new APN setting in the APN text field, and press OK button.



8. Document History

rev	History	Date	Author
R01	First release	2024.07.05.	epapp