



IntegraBus
ATW975 / ATW976
Wifi Local2 / Wifi Comfort2



User Manual
Rev. 01

Table of contents:

1.	Product Overview	2
2.	Default configuration.....	2
3.	Configuration interface	2
4.	Setting new SSID	3
5.	Setting new Password	5
6.	Setting free wifi network.....	7
7.	Setting APN	9
8.	Document History.....	11

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).
- Dual SIM support and automatic APN identification

2. Default configuration

The Wifi router devices are shipped with the following factory default network settings:

SSID: IntegraBus
Password: no password

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

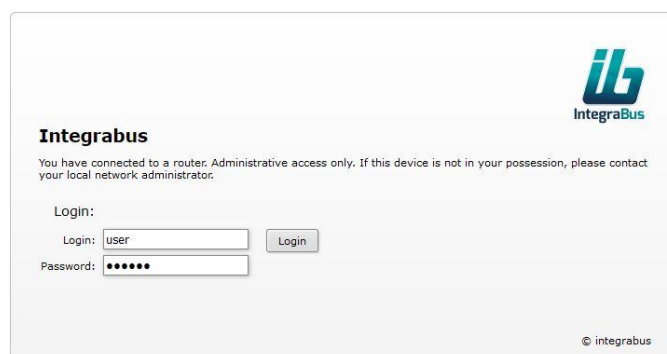
3. Configuration interface

The basic WLAN parameters can be set by the integrated web configuration interface of the device. Wifi Local2 device has one management interface. However, Wifi Comfort2 has two management interfaces, they are labelled with "A" and "B" letters.

Follow the next steps to enter configuration surface:

1. Power on Wifi 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.

In case of Wifi Comfort2 go to **config2.integrabus.eu** page or **10.10.11.253** IP address as well.



The screenshot shows the IntegraBus web configuration interface. At the top right is the IntegraBus logo. Below it, the text reads: "You have connected to a router. Administrative access only. If this device is not in your possession, please contact your local network administrator." There is a "Login:" label followed by two input fields: "Login:" with the value "user" and "Password:" with six dots. A "Login" button is to the right of the password field. At the bottom right, there is a copyright notice: "© integrabus".

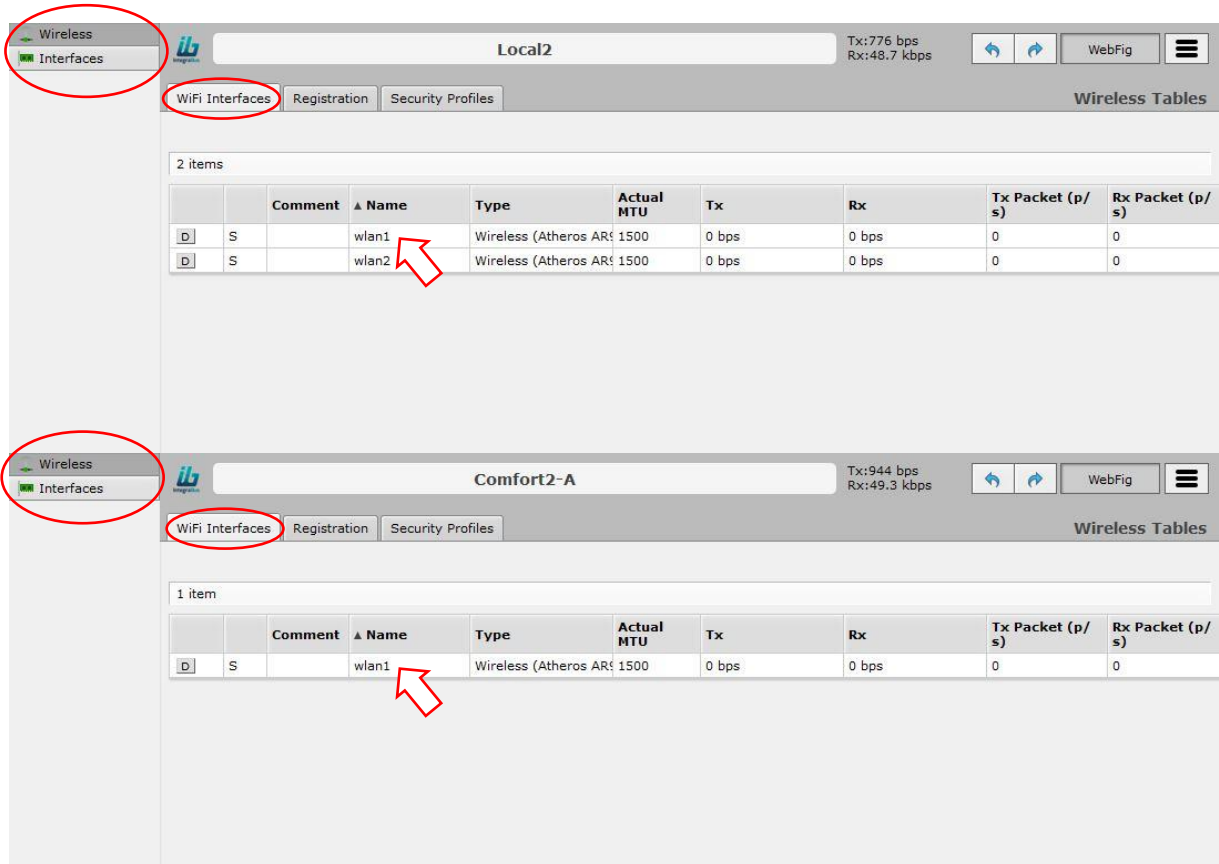
Login: **user**
Password: Password is the last 6-digit of its serial number

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

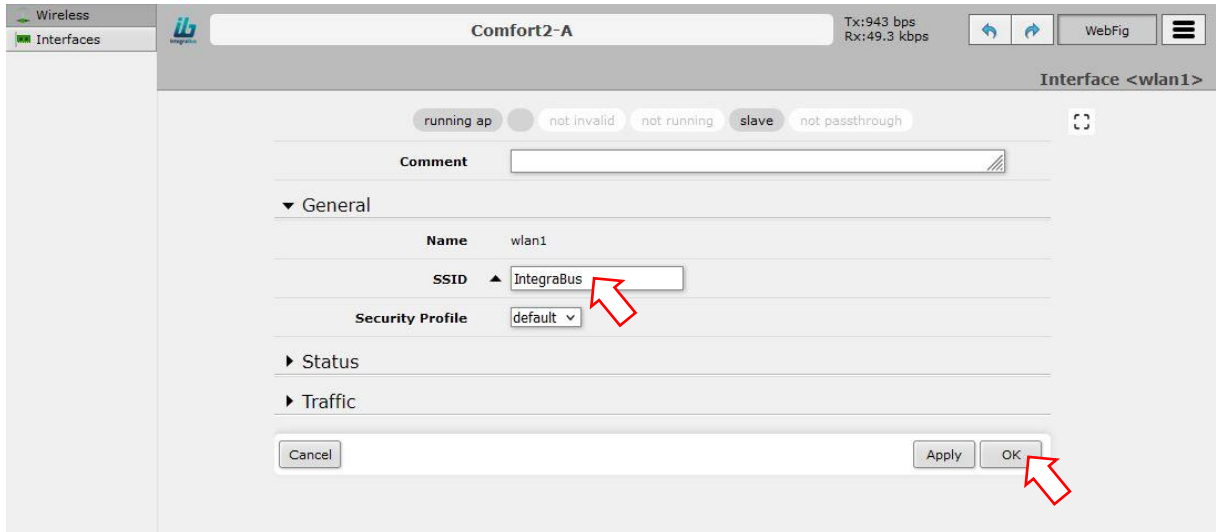


4. Setting new SSID

- Enter into the Configuration interface as it is described in point 3.
 Please note that there might be 2 integrated Wifi interfaces in Wifi device, so you must set the new SSID on both.
- 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.



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



Wireless
 Interfaces

Comfort2-A Tx:943 bps Rx:49.3 kbps

Interface <wlan1>

running ap not invalid not running slave not passthrough

Comment

General

Name wlan1

SSID ▲ IntegraBus

Security Profile default

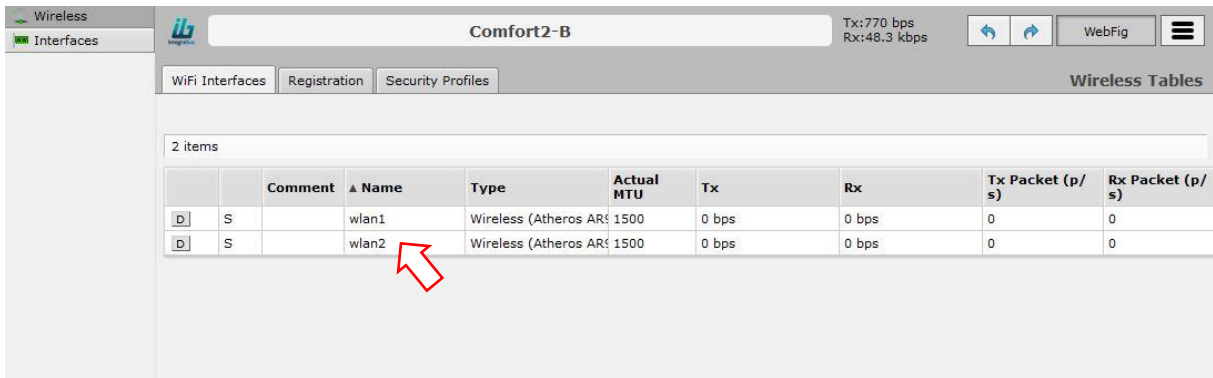
Status

Traffic

Cancel Apply OK

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

4. If there is a second Wifi interface then go back to Wireless submenu page and click on **wlan2** interface line.



Wireless
 Interfaces

Comfort2-B Tx:770 bps Rx:48.3 kbps

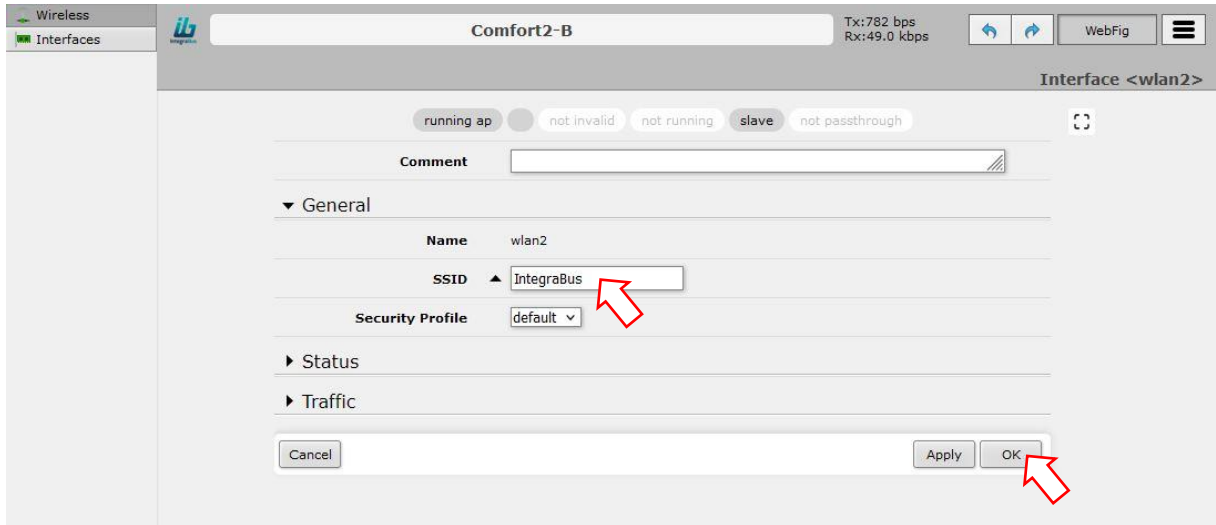
WiFi Interfaces Registration Security Profiles

Wireless Tables

2 items

	Comment	▲ Name	Type	Actual MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)
<input type="checkbox"/>	S	wlan1	Wireless (Atheros AR)	1500	0 bps	0 bps	0	0
<input type="checkbox"/>	S	wlan2	Wireless (Atheros AR)	1500	0 bps	0 bps	0	0

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



The screenshot shows the 'Comfort2-B' configuration page. The 'General' tab is selected. The 'Name' field is 'wlan2'. The 'SSID' field is 'IntegraBus'. The 'Security Profile' is 'default'. The 'OK' button is highlighted with a red arrow.

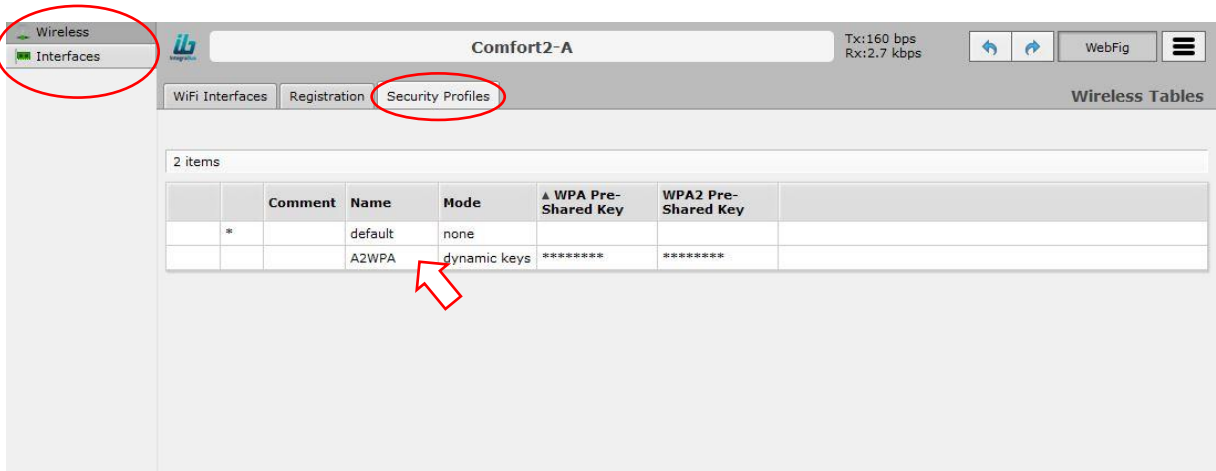
After SSID reconfiguration the connection can be lost and your computer or mobile device need to be reconnected!

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.

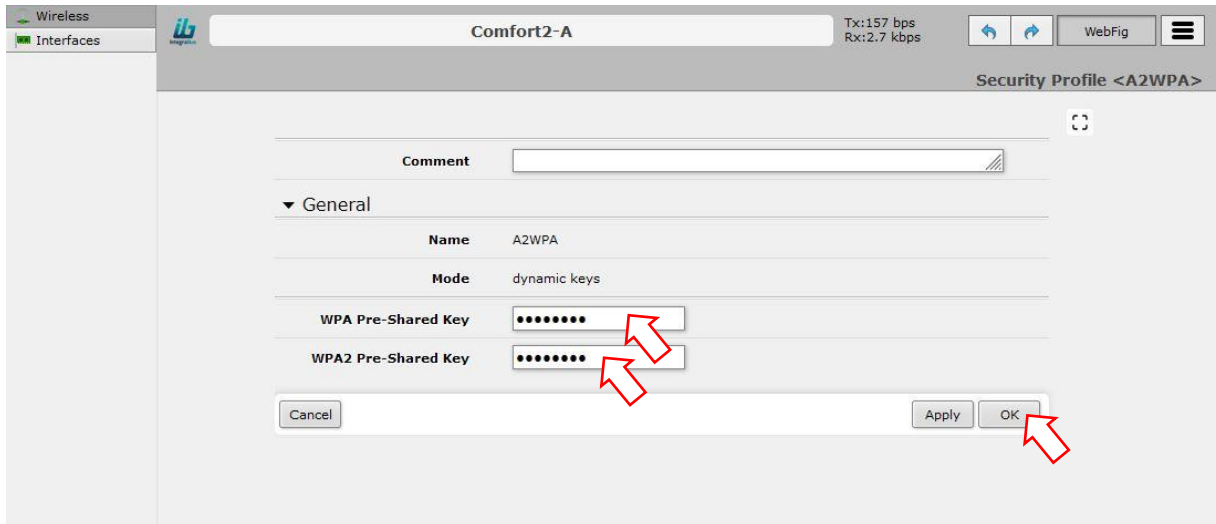
1. Enter into the Configuration interface as it is described in point 3.
2. Select Wireless menu and Wireless submenu on top left corner of the page.
 Please select Security Profiles tab.
 Click on **A2WPA** line.



The screenshot shows the 'Security Profiles' configuration page. The 'A2WPA' profile is selected. The 'OK' button is highlighted with a red arrow.

Comment	Name	Mode	WPA Pre-Shared Key	WPA2 Pre-Shared Key
*	default	none		
	A2WPA	dynamic keys	*****	*****

3. In **WPA Pre-Shared Key** and **WPA2 Pre-Shared Key** fields enter the new password you want to use, and click on OK button.



Comment

General

Name: A2WPA

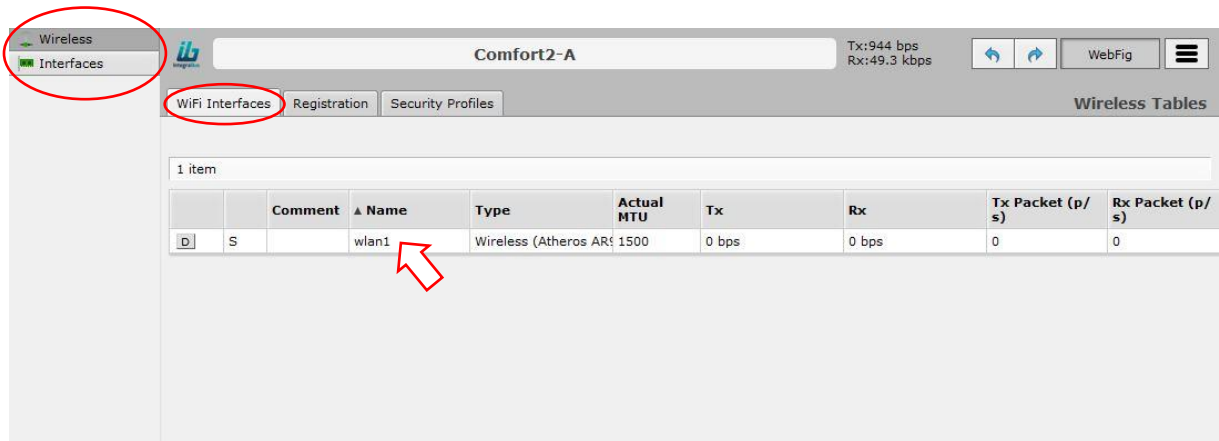
Mode: dynamic keys

WPA Pre-Shared Key:

WPA2 Pre-Shared Key:

Cancel Apply OK

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



Wireless

Interfaces

WiFi Interfaces

Registration

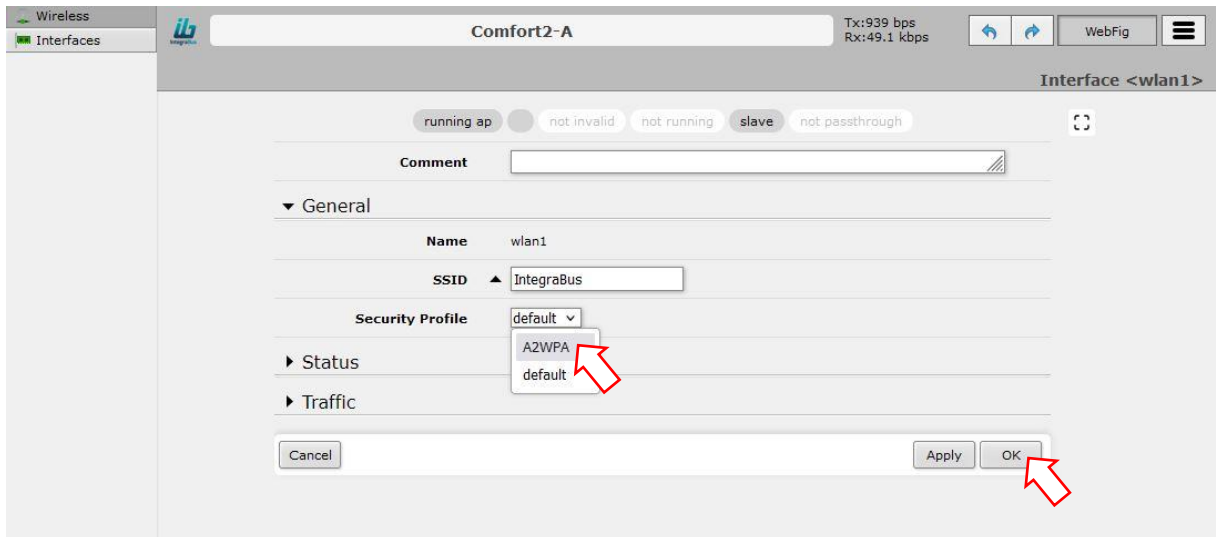
Security Profiles

Wireless Tables

1 item

	Comment	Name	Type	Actual MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)
D	S	wlan1	Wireless (Atheros AR	1500	0 bps	0 bps	0	0

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



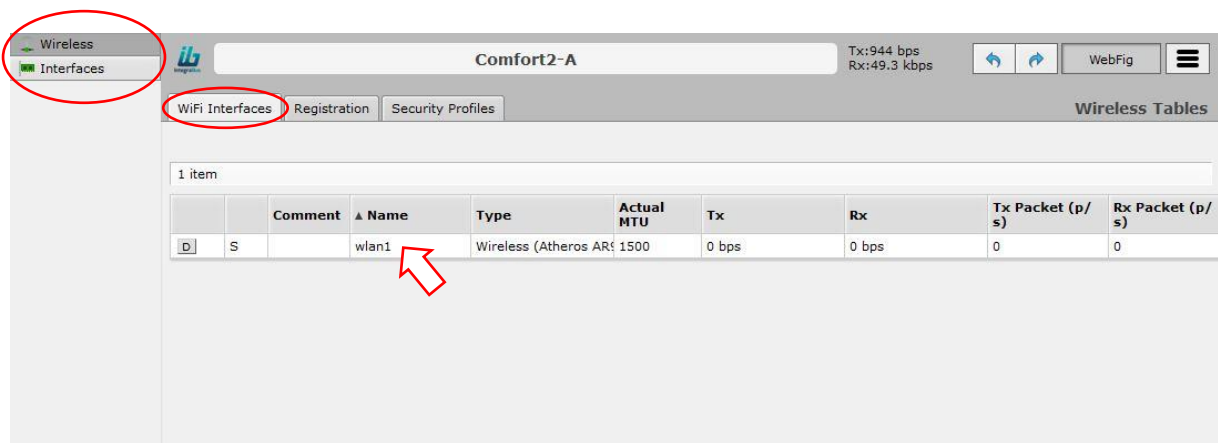
The screenshot shows the 'Comfort2-A' configuration page for the 'wlan1' interface. The 'Security Profile' dropdown menu is open, showing 'default' and 'A2WPA' options. A red arrow points to 'A2WPA'. Another red arrow points to the 'OK' button at the bottom right of the interface.

6. If there is a second Wifi interface then go back to 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.

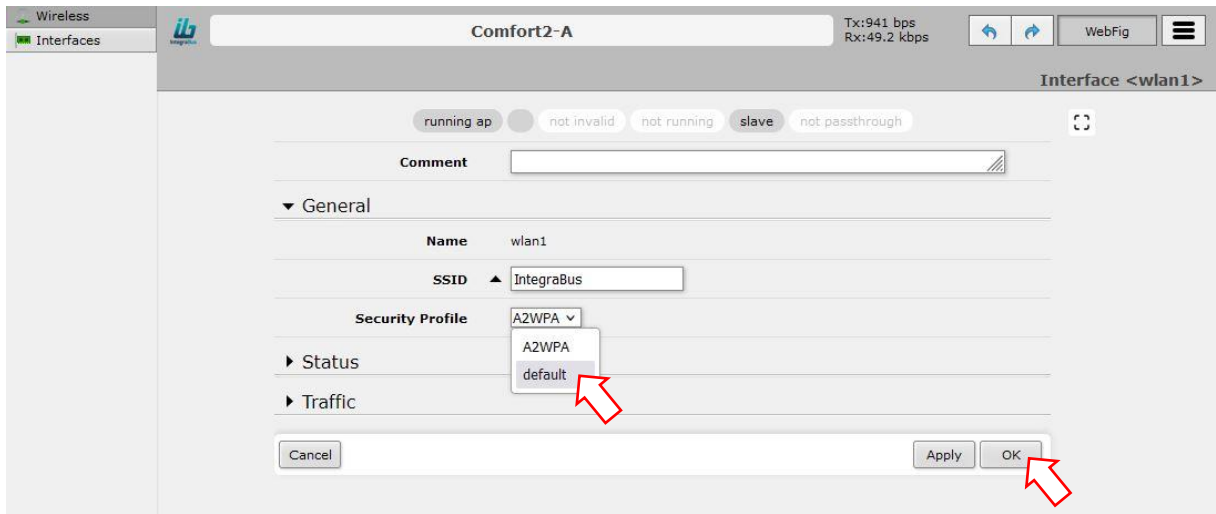
1. Enter into the Configuration interface as it is described in point 3.
2. Go to Wireless menu and Wireless submenu page and select Wifi Interfaces tab.
Click on **wlan1** interface line.



The screenshot shows the 'Wireless' menu with 'Interfaces' selected. The 'WiFi Interfaces' tab is active, showing a table with one item, 'wlan1'. A red arrow points to the 'wlan1' interface line.

	Comment	Name	Type	Actual MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)
D	S	wlan1	Wireless (Atheros AR)	1500	0 bps	0 bps	0	0

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



Wireless
Interfaces

Comfort2-A Tx:941 bps Rx:49.2 kbps

Interface <wlan1>

running ap not invalid not running slave not passthrough

Comment

General

Name wlan1

SSID IntegraBus

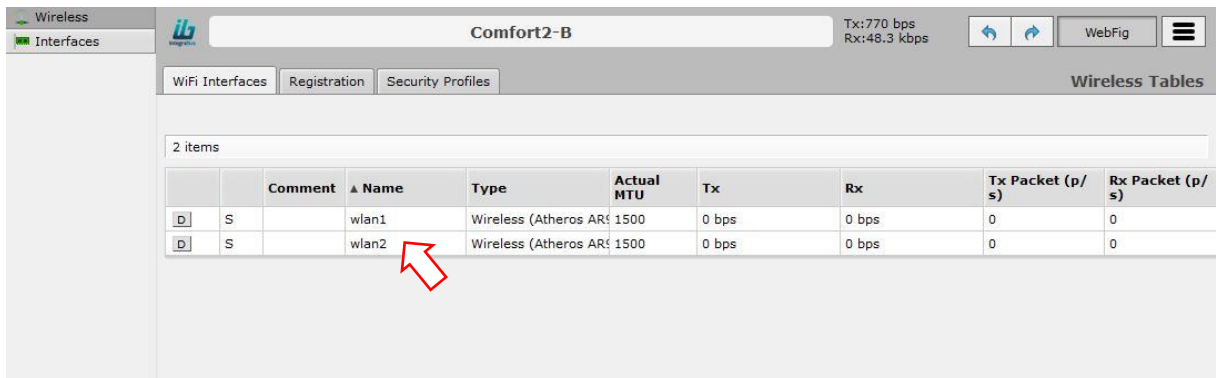
Security Profile A2WPA

Status

Traffic

Cancel Apply OK

4. If there is a second Wifi interface then go back to Wireless submenu page and click on **wlan2** interface line.



Wireless
Interfaces

Comfort2-B Tx:770 bps Rx:48.3 kbps

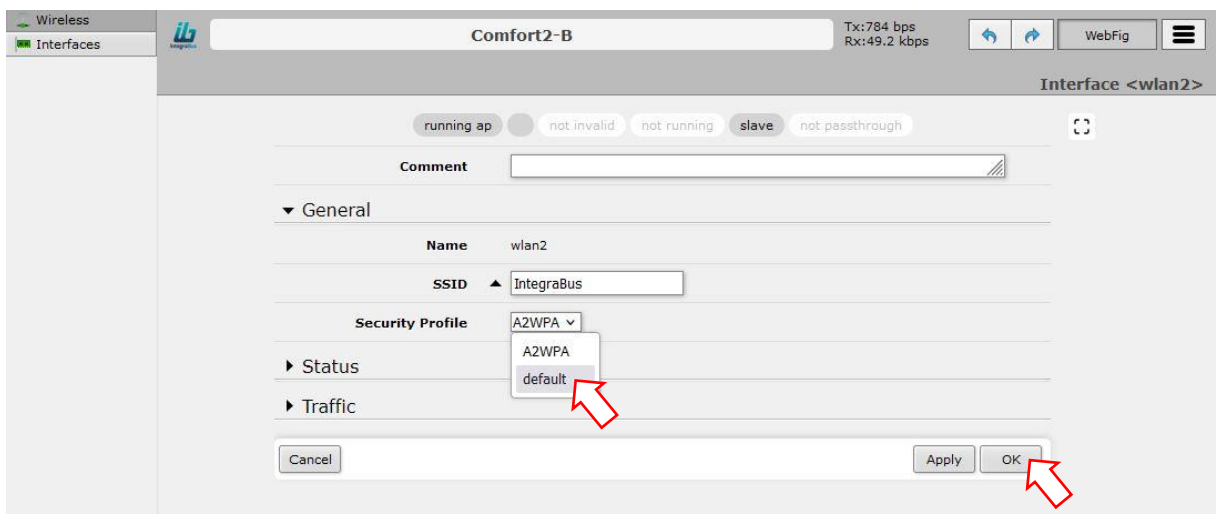
WiFi Interfaces Registration Security Profiles

Wireless Tables

2 items

		Comment	Name	Type	Actual MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)
D	S		wlan1	Wireless (Atheros AR9130)	1500	0 bps	0 bps	0	0
D	S		wlan2	Wireless (Atheros AR9130)	1500	0 bps	0 bps	0	0

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



Wireless
Interfaces

Comfort2-B Tx:784 bps Rx:49.2 kbps

Interface <wlan2>

running ap not invalid not running slave not passthrough

Comment

General

Name wlan2

SSID IntegraBus

Security Profile A2WPA

Status

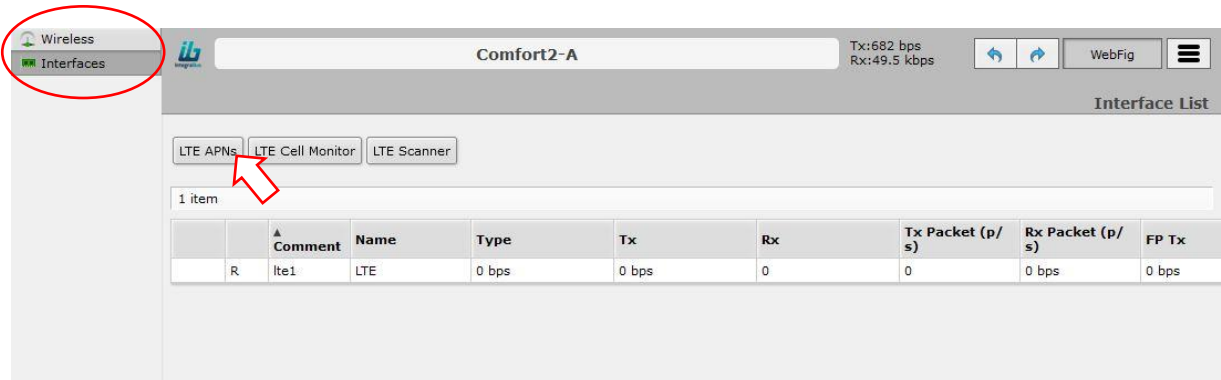
Traffic

Cancel Apply OK

7. Setting APN

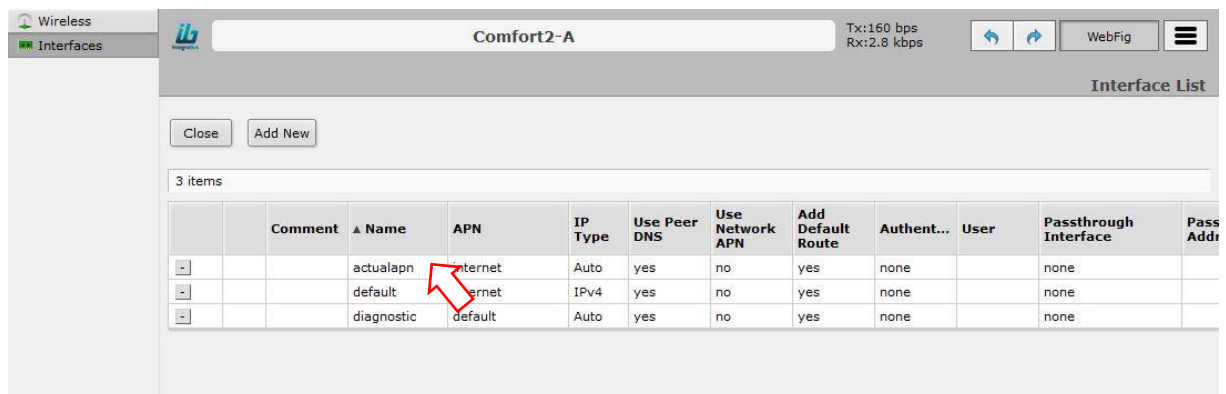
To set special APN belonging your SIM card please follow the steps below. In case of Wifi Comfort2 these steps are needed to make only in “A” labelled management interface.

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.



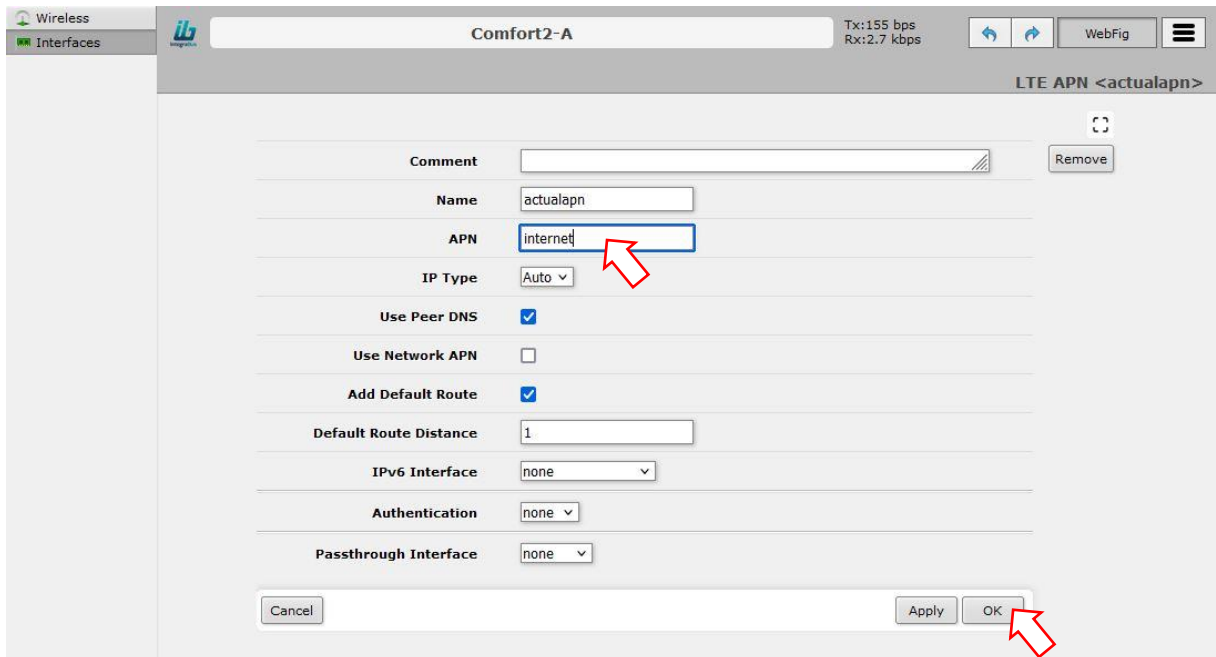
Comment	Name	Type	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx
R	lte1	LTE	0 bps	0 bps	0	0 bps	0 bps

3. Click on **actualapn** line.



Comment	Name	APN	IP Type	Use Peer DNS	Use Network APN	Add Default Route	Authent...	User	Passthrough Interface	Pass Addr
-	actualapn	internet	Auto	yes	no	yes	none		none	
-	default	internet	IPv4	yes	no	yes	none		none	
-	diagnostic	default	Auto	yes	no	yes	none		none	

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



The screenshot displays the 'LTE APN <actualapn>' configuration window. The left sidebar shows 'Wireless' and 'Interfaces' options. The main area contains the following fields and controls:

- Comment:** A text input field with a 'Remove' button to its right.
- Name:** A text input field containing 'actualapn'.
- APN:** A text input field containing 'internet', highlighted with a blue border and a red arrow pointing to it.
- IP Type:** A dropdown menu set to 'Auto'.
- Use Peer DNS:** A checked checkbox.
- Use Network APN:** An unchecked checkbox.
- Add Default Route:** A checked checkbox.
- Default Route Distance:** A text input field containing '1'.
- IPv6 Interface:** A dropdown menu set to 'none'.
- Authentication:** A dropdown menu set to 'none'.
- Passthrough Interface:** A dropdown menu set to 'none'.

At the bottom, there are three buttons: 'Cancel', 'Apply', and 'OK'. A red arrow points to the 'OK' button.

8. Document History

rev	History	Date	Author
R01	First release	2024.07.31.	epapp