



IntegraBus
ATW990
Router Pro



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
- Dual 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)
- Multi SIM support and automatic APN identification

2. Default configuration

The WiFi 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.

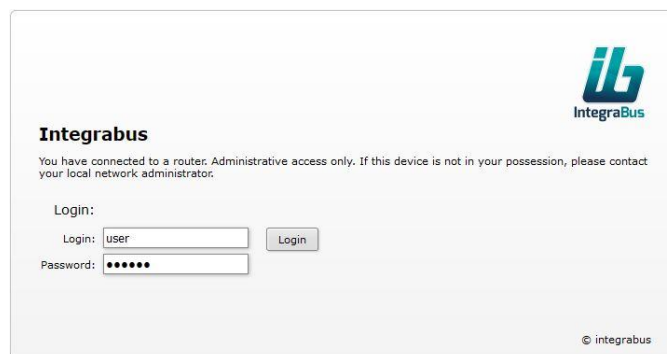
3. Configuration interface

The basic WLAN parameters can be set by the integrated web configuration interface of the device. Router Pro 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.

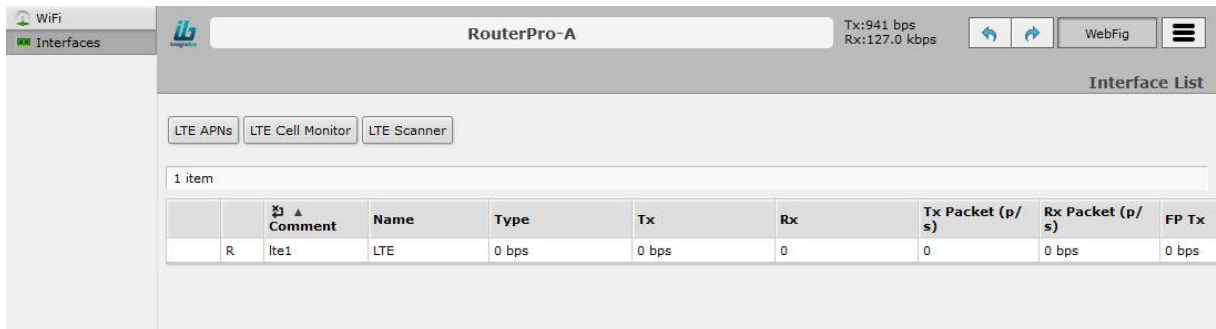
Then go to **config2.integrabus.eu** page or **10.10.11.253** IP address as well.



The screenshot shows the IntegraBus login page. At the top right is the IntegraBus logo. Below it, the text reads: "Integrabus" followed by "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 above two input fields. The first field is labeled "Login:" and contains the text "user". The second field is labeled "Password:" and contains six dots. To the right of the password field is a "Login" button. At the bottom right corner, there is a small copyright notice: "© integrabus".

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

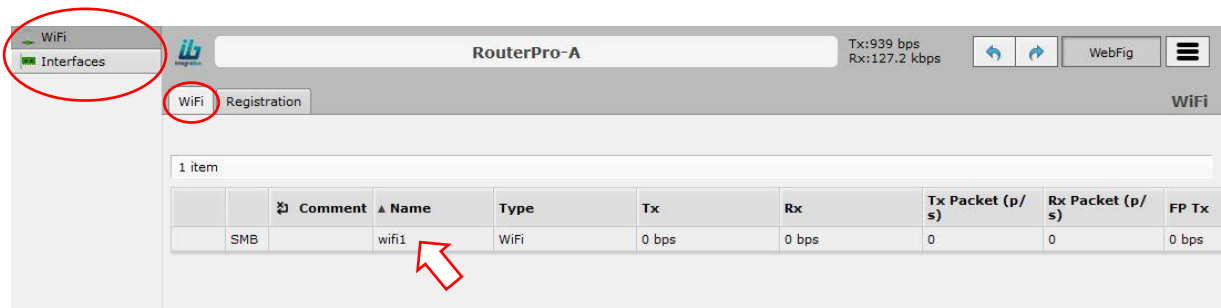
4. If the entered login and password is correct the device enters to the configuration page:



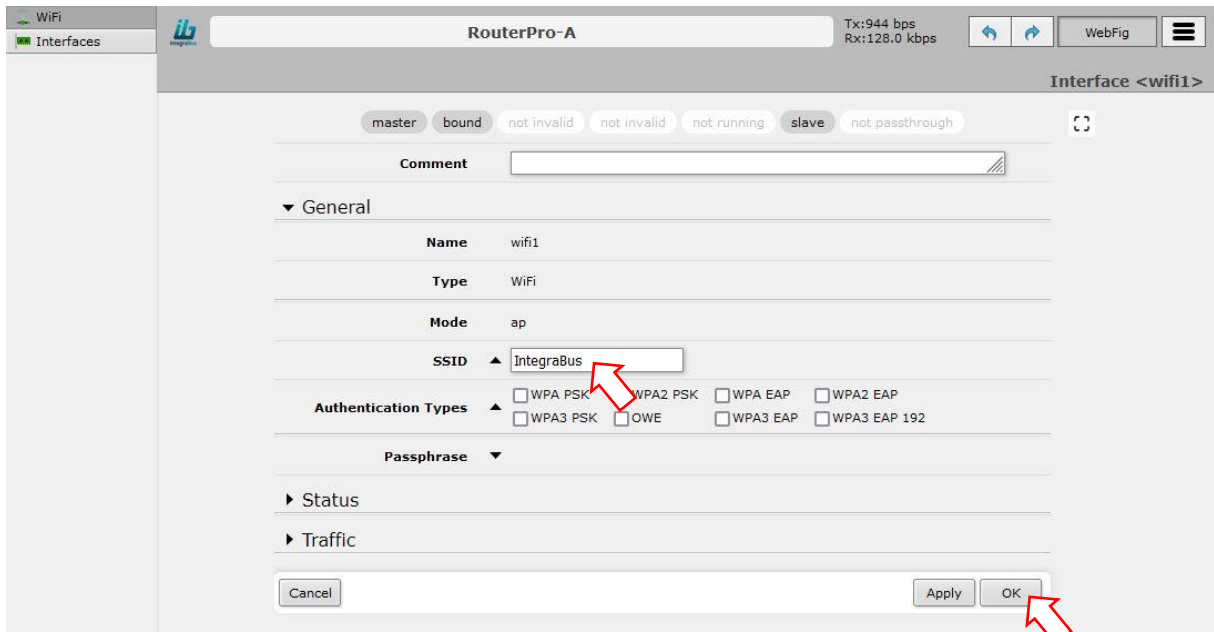
4. Setting new SSID

After SSID/PASSWORD reconfiguration the connection will be lost and your computer or mobile device needs to be reconnected! Please keep your Password safe! Once you can't reconnect, try it via Ethernet connection and the same IP address as above!

1. Enter into the Configuration interface as it is described in point 3.
2. Select WiFi menu and WiFi submenu on top left corner of the page.
 Please check the **WiFi** tab is active.
 Click on **wifi1** interface line.



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



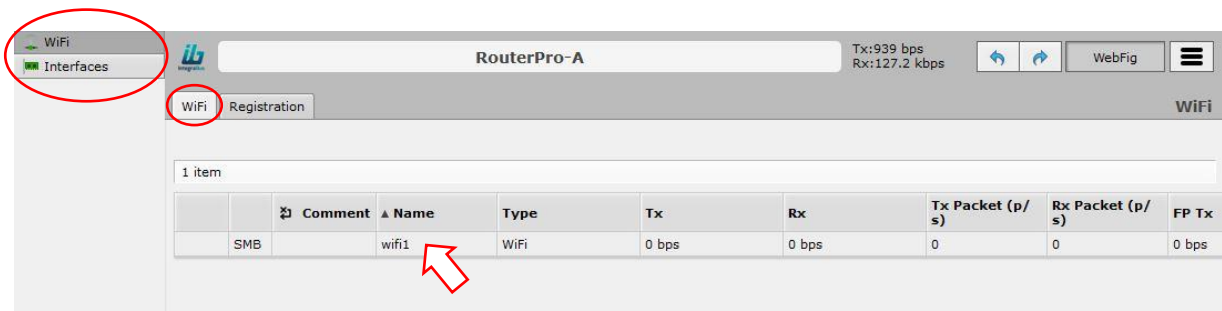
The screenshot shows the 'RouterPro-A' web interface. On the left, the 'WiFi' menu is selected. The main area displays the configuration for the 'wifi1' interface. The 'General' tab is active, showing fields for Name (wifi1), Type (WiFi), Mode (ap), and SSID (IntegraBus). The SSID field is highlighted with a red arrow. Below the SSID field, there are checkboxes for Authentication Types: WPA PSK, WPA2 PSK, WPA EAP, WPA2 EAP, WPA3 PSK, OWE, WPA3 EAP, and WPA3 EAP 192. The 'Passphrase' field is also visible. At the bottom right, the 'OK' button is highlighted with a red arrow.

5. Setting new Password

After SSID/PASSWORD reconfiguration the connection will be lost and your computer or mobile device needs to be reconnected! Please keep your Password safe! Once you can't reconnect, try it via Ethernet connection and the same IP address as above!

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

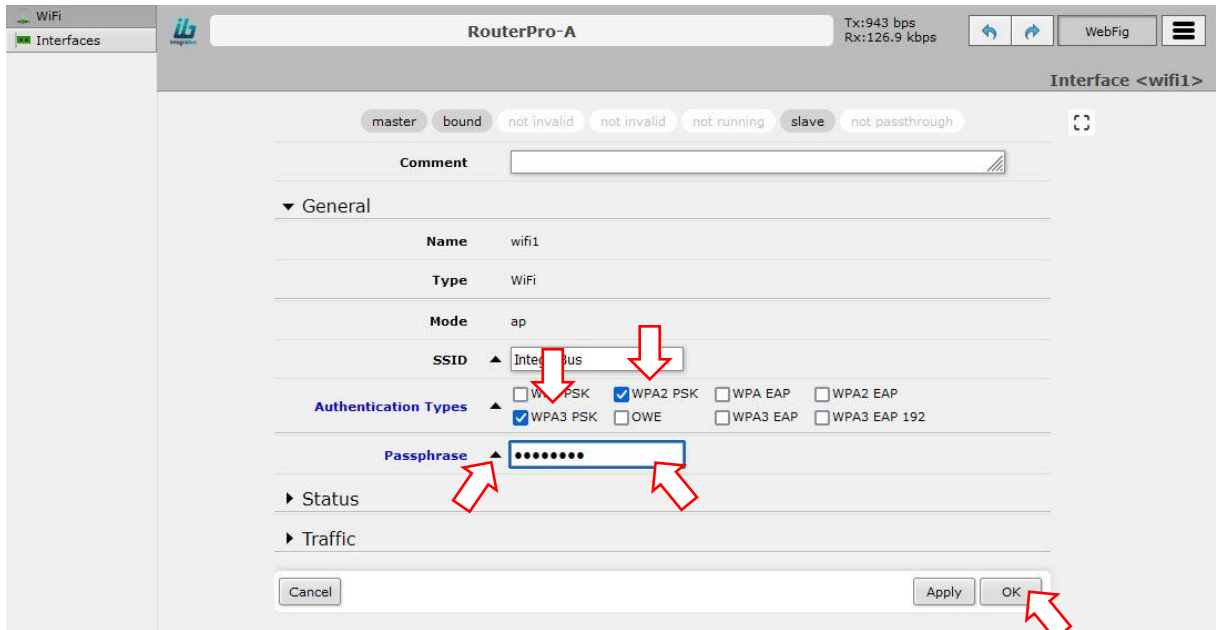
1. Enter into the Configuration interface as it is described in point 3.
2. Select WiFi menu and WiFi submenu on top left corner of the page.
Please check the WiFi tab is active.
Click on **wifi1** interface line.



The screenshot shows the 'RouterPro-A' web interface. On the left, the 'WiFi' menu is selected and circled in red. The main area displays the 'WiFi' submenu, which is also circled in red. Below the submenu, there is a table with 1 item. The table has columns for Comment, Name, Type, Tx, Rx, Tx Packet (p/s), Rx Packet (p/s), and FP Tx. The 'wifi1' interface line is highlighted with a red arrow.

Comment	Name	Type	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx
SMB	wifi1	WiFi	0 bps	0 bps	0	0	0 bps

3. Tick on **WPA2 PSK** and **WPA3 PSK** Authentication Types, then click on the little triangle next to the Passphrase and enter the password in the field, and click on OK button.
Password must be 8-63 characters long!



RouterPro-A

Tx:943 bps
Rx:126.9 kbps

WebFig

Interface <wifi1>

master bound not invalid not invalid not running slave not passthrough

Comment

General

Name wifi1

Type WiFi

Mode ap

SSID IntegraBus

Authentication Types

☐ WPA PSK ☒ WPA2 PSK ☐ WPA EAP ☐ WPA2 EAP

☒ WPA3 PSK ☐ OWE ☐ WPA3 EAP ☐ WPA3 EAP 192

Passphrase

Status

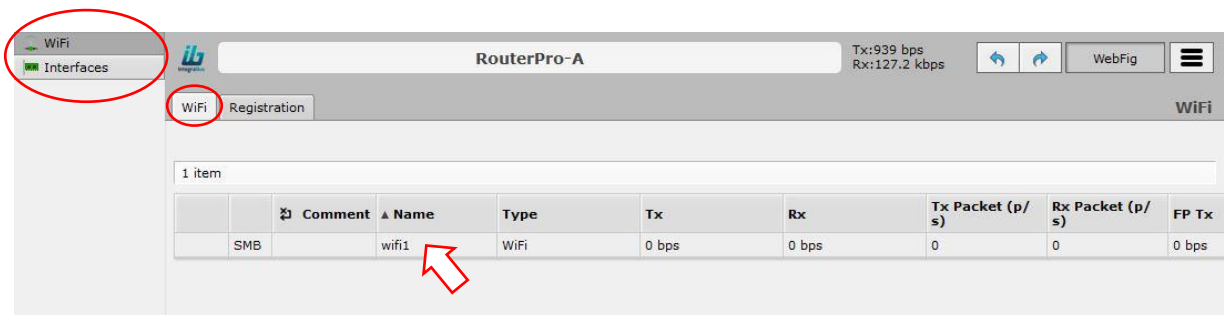
Traffic

Cancel Apply OK

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 WiFi menu and WiFi submenu on top left corner of the page.
Click on **wifi1** interface line.



RouterPro-A

Tx:939 bps
Rx:127.2 kbps

WebFig

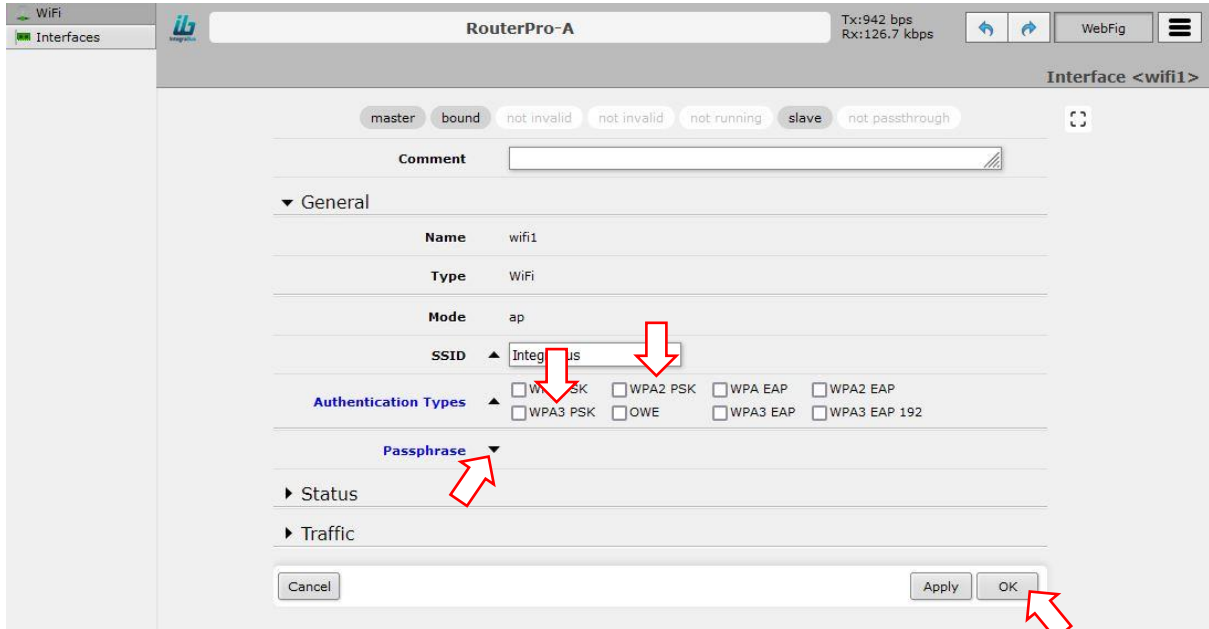
WiFi

WiFi Registration

1 item

	Comment	Name	Type	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx
SMB		wifi1	WiFi	0 bps	0 bps	0	0	0 bps

3. Tick off **WPA2 PSK** and **WPA3 PSK** Authentication Types, then click on the little triangle next to the Passphrase, and click on OK button.



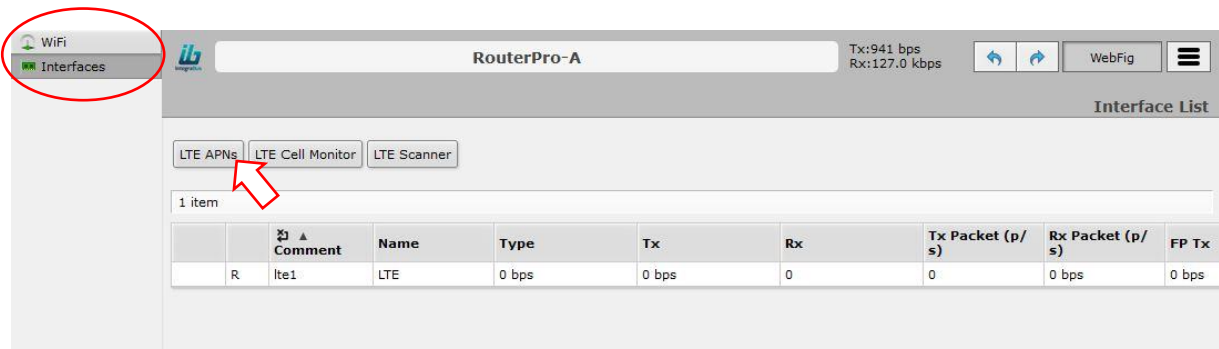
The screenshot shows the 'Interface <wifi1>' configuration page. At the top, there are status indicators: 'master', 'bound', 'not invalid', 'not invalid', 'not running', 'slave', and 'not passthrough'. Below this is a 'Comment' field. The 'General' section includes fields for 'Name' (wifi1), 'Type' (WiFi), and 'Mode' (ap). The 'SSID' field is set to 'IntegraBus'. Under 'Authentication Types', there are checkboxes for WPA2 PSK and WPA3 PSK. The 'Passphrase' section has a dropdown arrow. At the bottom, there are 'Cancel', 'Apply', and 'OK' buttons. Red arrows point to the 'WPA2 PSK' and 'WPA3 PSK' checkboxes, the 'Passphrase' dropdown arrow, and the 'OK' button.

7. Setting APN

You need to set the APN only, if you can't establish any Internet access, and you are using a unique Service provider or service package. The common Services can be identified by our Auto APN. After a new APN is set, you will be reconnected to the internet.

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

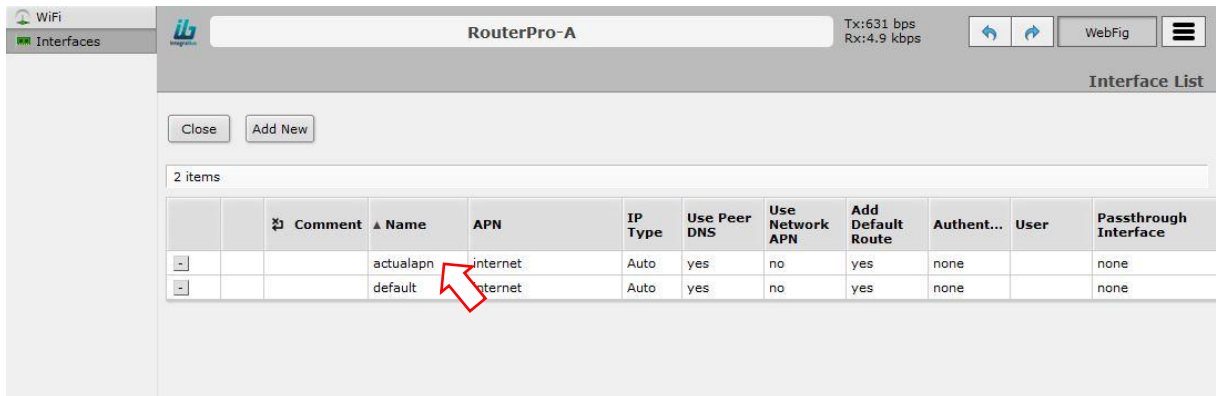
1. Enter into the Configuration interface as it is described in point 3.
2. Select Interfaces Menu on top left corner of the page.
Click on **LTE APNs** button.



The screenshot shows the 'Interface List' page. On the left, the 'Interfaces' menu item is circled in red. Below it, there are buttons for 'LTE APNs', 'LTE Cell Monitor', and 'LTE Scanner'. A red arrow points to the 'LTE APNs' button. The 'Interface List' table shows 1 item:

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

3. Click on **actualapn** line.



RouterPro-A Tx:631 bps Rx:4.9 kbps

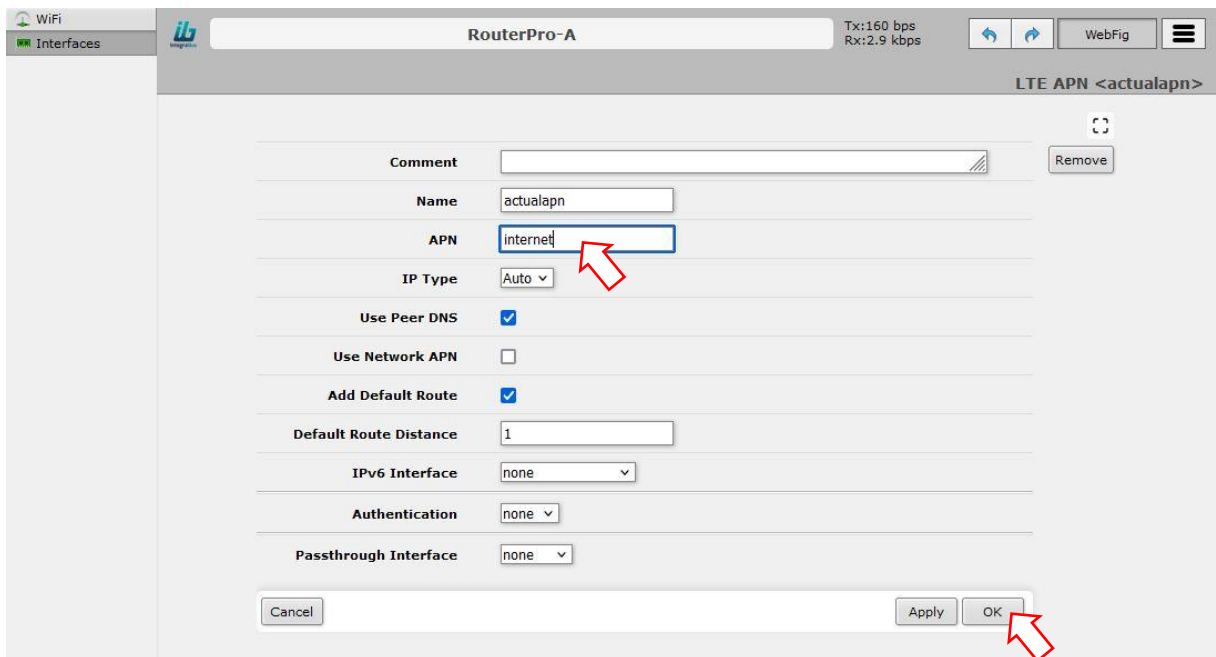
Interface List

Close Add New

2 items

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

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



RouterPro-A Tx:160 bps Rx:2.9 kbps

LTE APN <actualapn>

Remove

Comment

Name actualapn

APN internet

IP Type Auto

Use Peer DNS ☒

Use Network APN ☐

Add Default Route ☒

Default Route Distance 1

IPv6 Interface none

Authentication none

Passthrough Interface none

Cancel Apply OK



8. Document History

rev	History	Date	Author
R01	First release	2024.07.31.	epapp