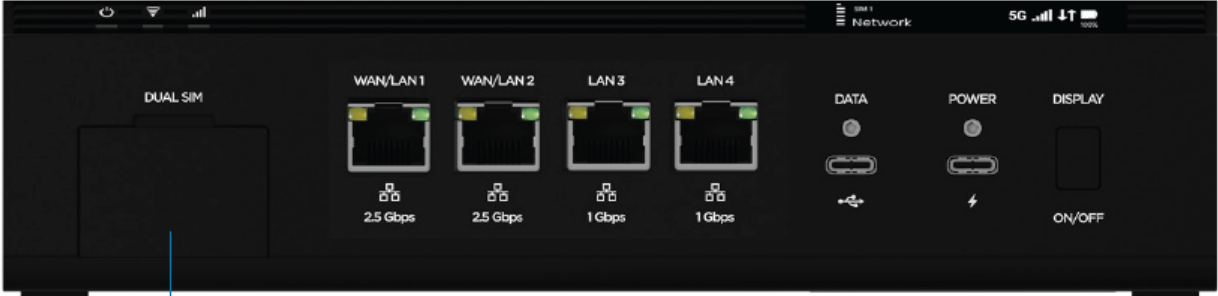


Inseego Wavemaker™

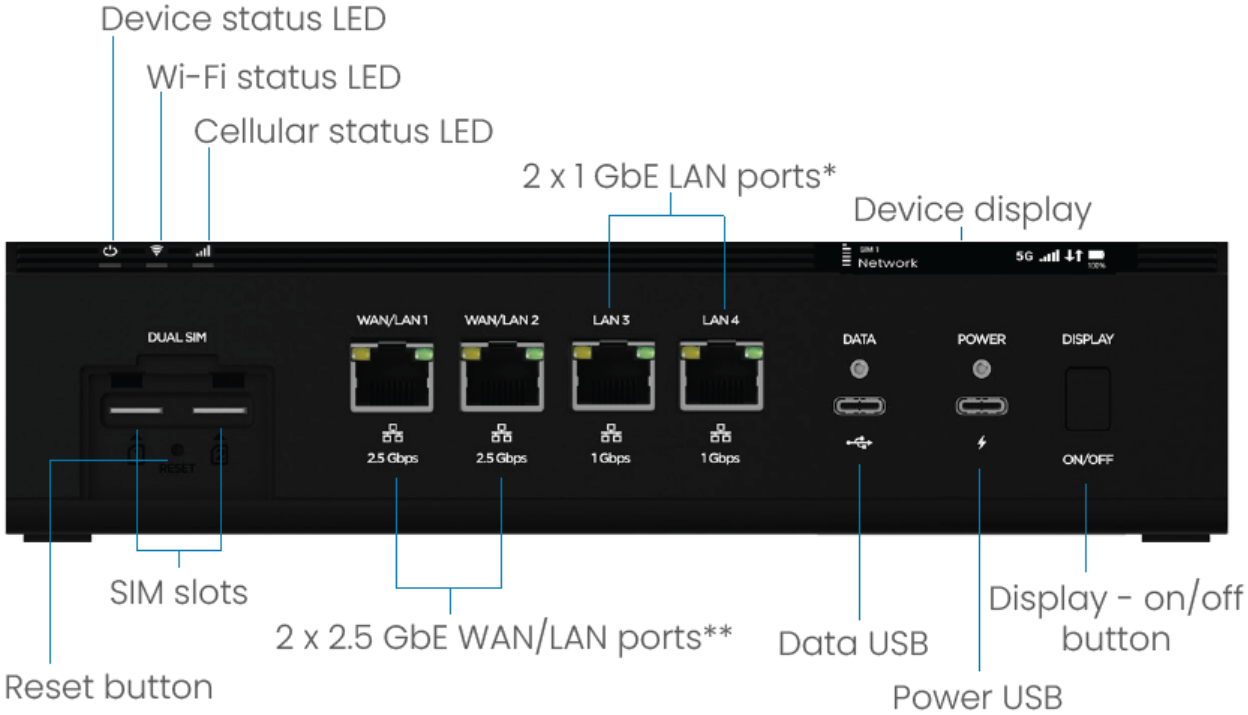
# 5G Cellular Router FX4200



# FX4200 front



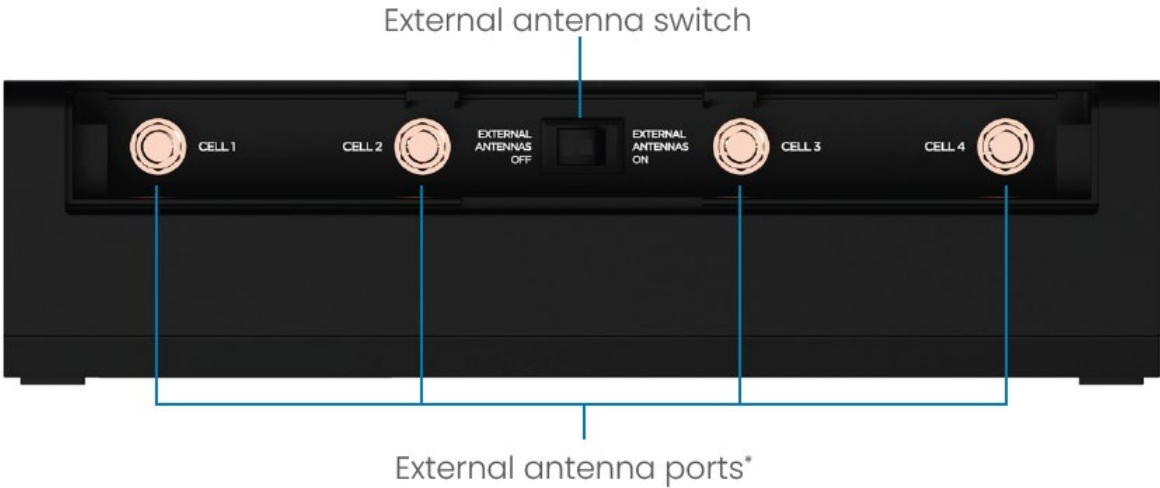
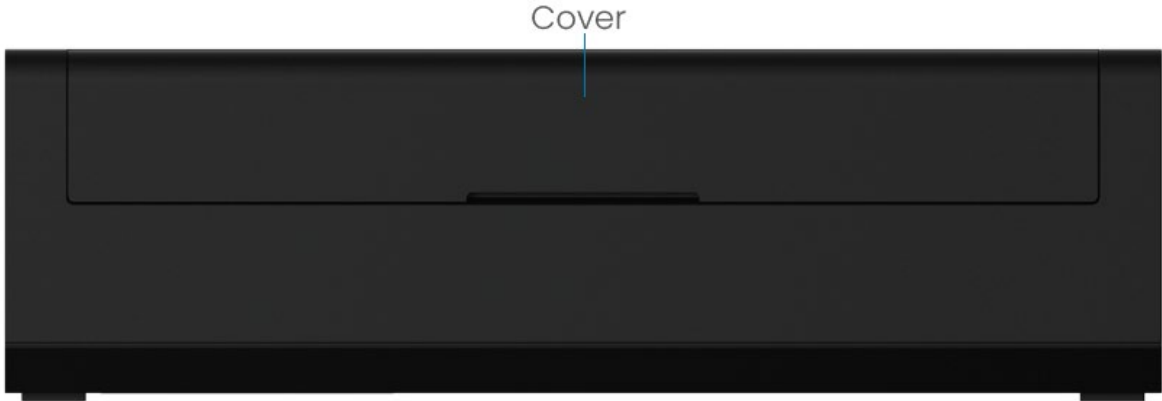
Cover



\* When running on battery, ports 3 and 4 are disabled when the battery charge level is below 40%.
























\*\* 2.5 GbE Ethernet ports can be configured as WAN or LAN in the admin web UI or Inseego Connect with **Network > Ethernet**.

# FX4200 back



\* When enabled, each external antenna port supports the full cellular frequency range of 0.6-6 GHz. To activate the external antenna ports, turn the switch to **EXTERNAL ANTENNAS ON**.

# Device LEDs

LED	Color	Operation	Meaning
<b>Device status</b> 	Blue	 Solid	Device on 5G
	Green	 Solid	Device on LTE
	Yellow	 Solid  Blinking	Software update is available Software update is downloading/installing
	White	 Solid  Blinking	Device on, Ethernet WAN Device booting up
	Red	 Solid  Blinking	Device error Software update failed
<b>Wi-Fi status</b> 	Blue	 Solid  Blinking	Wi-Fi on, mesh Mesh pairing mode
	Green	 Solid	Wi-Fi on, no mesh
	White	 Blinking	Wi-Fi initiating/rebooting
	Red	 Solid	Wi-Fi error
	Off	Off	Wi-Fi off
<b>Cellular status</b> 	Blue	 Solid	Great signal (5 bars)
	Cyan	 Solid	Good signal (4 bars)
	Green	 Solid	Fair signal (3 bars)
	Yellow	 Solid	Poor signal (2 bars)
	Red	 Solid  Blinking	Very poor signal (1 bar) No signal/no network
	White	 Blinking	Searching for signal

# Device display

The device display provides device information, alerts, and allows you to perform actions, like pair with a mesh node or check for a firmware update.

**NOTE:** The device display times out after 60 seconds.

Use the display button to turn the display on or off and to navigate through the display:

- **Short press (<1 second)** - cycles through the display menu or submenu options.
- **Long press (>3 seconds)** - initiates an action or accesses/exits a submenu.

## TIPS:



The menu icon on the left shows you where you are in the main menu.



The scroll icon on the bottom of a submenu shows you where you are in the submenu.



An X appears over the signal strength icon when no network is found.



An X appears on the data arrows icon when there is no data traffic.



An antenna icon appears when the external antenna switch is on.

# Setting up your router

## Step one: remove the battery tab

- Activate the battery by removing the protective tab located on the bottom of the device.

**NOTE:** If the tab is hard to remove, gently open the battery cover and take out the battery to access the protective tab. Remove the tab from the battery contacts, then reinsert the battery, aligning the gold contacts on the battery with the gold contacts on the router. Replace the cover, ensuring it clicks into place and is flat across the entire bottom surface.

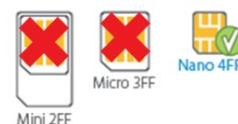
## Step two: install SIM cards

**NOTE:** If you received the router from your service provider, the device manufacturer may have pre-installed a SIM card. Please inspect the SIM slots on the front of the device to confirm.

- Remove the cover on the front of the router.
- Insert a Nano SIM card into the appropriate SIM slot on the front of the device.



**NOTE:** If necessary, remove the SIM from its protective sleeve, being careful not to touch the metallic contact points. Insert the SIM card notch first, with the contact points facing down. Press the card in until it clicks into place.



This device supports only Nano SIM cards.

## Step three: power on the router

- Press the on/off button.

**or**

- Plug the USB C cable into the router's power port. Then plug the other end into the AC adapter, or a USB-powered delivery hub or USB power delivery (PD) host equipment.

### **Location suggestions:**


- On or above ground level (not in a basement)
- Ideally on an exterior wall closest to the nearest cell tower
- Near a window but not in direct sunlight, with the back of the router facing out
- Clear from obstructions and interference from other electronic devices (maintain at least 2" from metal objects or electronic equipment)
- Outside of cabinets or locations that can get excessively hot

## Step four: wait

- Wait for the router to power on. This can take up to three minutes. You'll know it's powered on when the device display shows your cellular network and arrows indicating traffic is active.



**NOTE:** The display times out after 60 seconds, if it is dark, press the display button.


- If you have fewer than four bars, adjust the location of the router until you have four or five bars and the cellular status LED  is blue (5 bars) or cyan (4 bars).

### **NOTES:**

- When running on battery, ports 3 and 4 are disabled when the battery is below 40%.
- You can now pair Mesh Wi-Fi X700. Go to [go.inseego.com/x700](https://go.inseego.com/x700) for guidance.

## Step five: connecting wireless devices

To wirelessly connect a Wi-Fi-capable device (such as a PC, laptop, tablet, or phone) for the first time:

- Ensure the Wi-Fi status LED  is green (or blue if mesh is enabled).
- On the device you want to connect, open the Wi-Fi settings or application and in the displayed list of available networks, find the **Primary Wi-Fi** network name printed on the bottom of your router.



- Click **Connect** or otherwise select the network name.
- When prompted, enter the **Primary Wi-Fi password** printed on the bottom of the router.

You can change the default name or password to something easier to remember using the admin web UI.

Your Wi-Fi-capable device is now connected to the internet.

## Monitoring and managing your router

You can use the following options to monitor and manage your router.

**Admin web UI** - Access the web UI at <http://192.168.1.1> or <http://Inseego.local> for a full set of device management features.

**NOTE:** Passwords for Wi-Fi and the admin web UI are printed on the label of your router. We strongly recommend that you change your passwords on web UI before using your router.


**Inseego Connect™** - Inseego Connect is a multi-tiered device management platform that allows you to deploy, monitor, and manage Inseego IoT devices remotely. Go to [connect.inseego.com](http://connect.inseego.com) to sign up for a free Inseego Connect account.

**Inseego Mobile™ app** - You can use the Inseego Mobile app to perform basic device monitoring and management.

# Restoring factory settings

**NOTE:** When performing a factory reset, any changes made to settings will be lost.

To restore factory settings, follow these steps:

- Verify that your router is powered on.
- Press the reset button on the front of the router for five seconds. The device status LED  blinks white, then turns red. When the LED is solid white, green, or blue, your router is ready.

## Inseego Mobile app requirements

Smartphone or device on iOS 13 or above, or Android 9.0 or above.

## System requirements

Any device with Wi-Fi capability and an internet browser. The FX4200 cellular router is compatible with all major operating systems and the latest versions of browsers.

## Support and more

Please reach out to your reseller or service provider.

### More information

To access a user guide or online version of this guide, visit [go.inseego.com/fx4200](https://go.inseego.com/fx4200).

**WARNING:** DO NOT ATTEMPT TO SERVICE THE WIRELESS COMMUNICATION DEVICE YOURSELF. SUCH ACTION MAY VOID THE WARRANTY. THE ROUTER IS FACTORY TUNED. NO CUSTOMER CALIBRATION OR TUNING IS REQUIRED. CONTACT INSEEGO TECHNICAL SUPPORT FOR INFORMATION ABOUT SERVICING YOUR WIRELESS COMMUNICATION DEVICE.

