Inseego Wavemaker™

FX4100 5G Cellular Router

Quick Start Guide



Setting up your router

Step one: power on the router

- Plug the USB-C cable into the router power port. Plug the other end into the provided 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
- Clear from obstructions and interference from other electronics (maintain at least 2" from metal objects or electronic equipment)
- Outside of cabinets or locations that can get excessively hot

Step two: 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 "T-Mobile" and arrows indicating traffic is active.

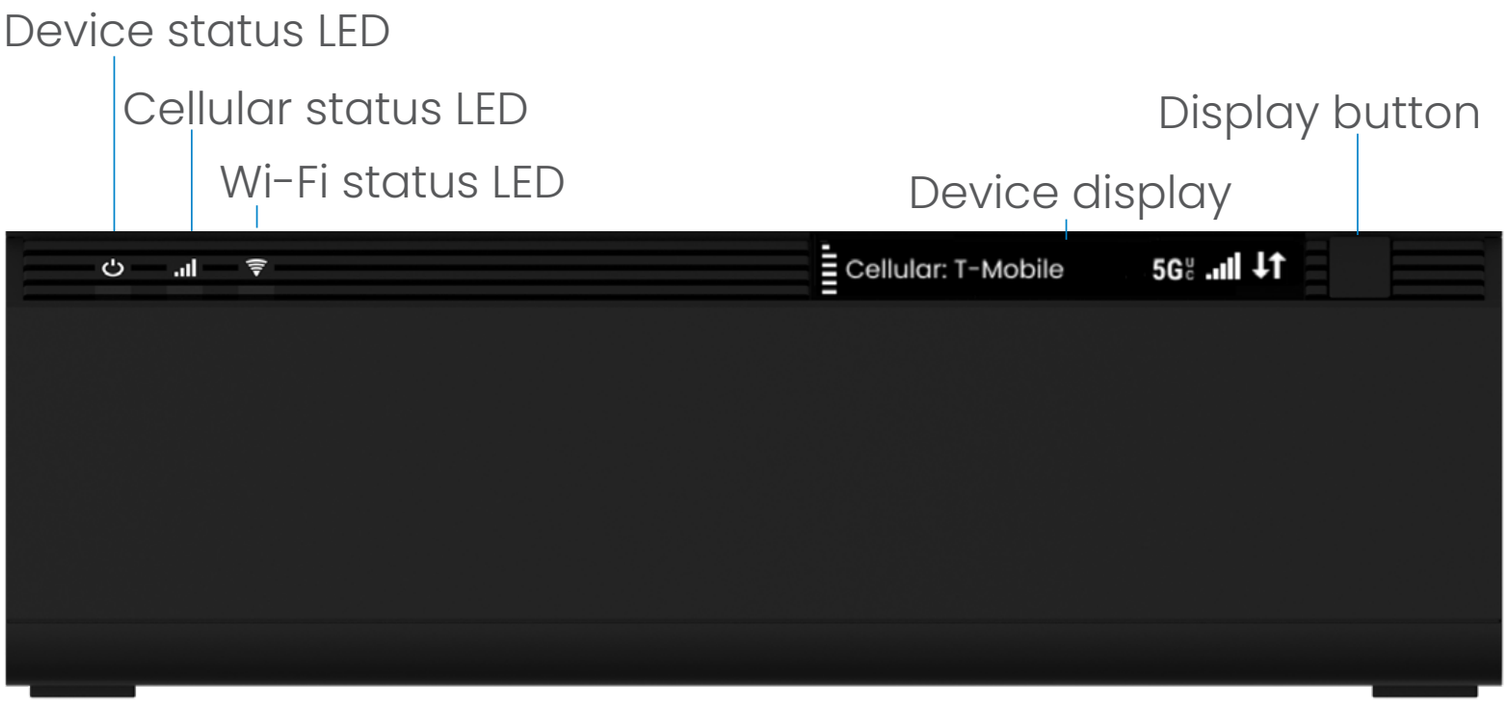


NOTE: The display times out after 60 seconds, If it is dark, press the button to the right.

- 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).

NOTE: You can now pair X700 Mesh Wi-Fi. Go to go.inseego.com/fx4100 for guidance.

FX4100 front



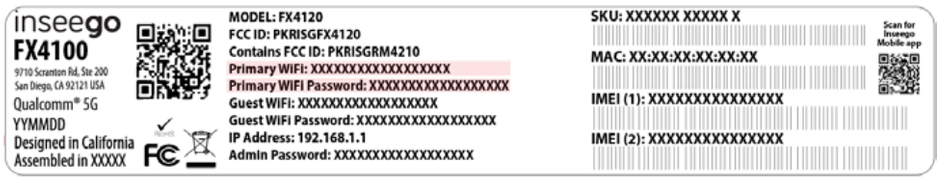
Device LEDs

LED	Color	Operation	Meaning
 **Device status**	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
 **Cellular status**	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
 **Wi-Fi status**	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

Step three: 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 (see “Monitoring and managing your router”).

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

Using the 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.

Navigate through the display with the display button:

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

 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.

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.

Inseego Connect - Configure settings, monitor status, and update the firmware on your device remotely from the cloud. All T-Mobile owned Inseego FX devices come with the option of purchasing the Inseego Connect Add-on. Please work with your Account team to order the Inseego Connect Add-on, which provides Manager access.

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

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 password before using your router.

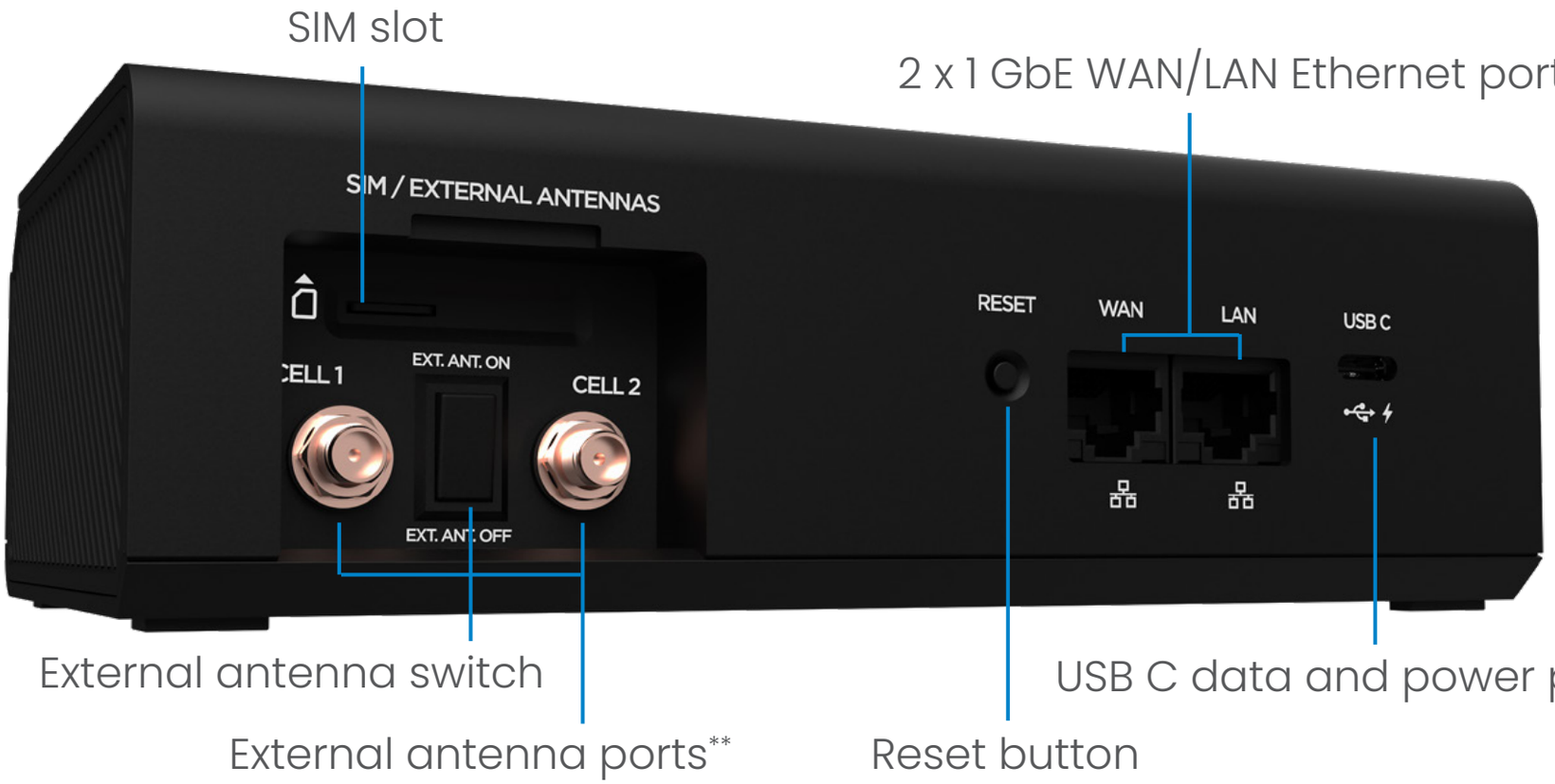
Restoring factory settings

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 back 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.

FX4100 back



* Ethernet ports are labeled with their default setting (WAN or LAN). You can configure either port to be WAN or LAN in the admin web UI: **Network > Ethernet**, or with Inseego Connect: **WAN Settings**.

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

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 FX4100 5G Cellular Router is compatible with all major operating systems and the latest versions of browsers.

Support and more

IMPORTANT: The Inseego Wavemaker FX4100 5G Cellular Router is intended for use in a fixed location. Use at a location other than the eligible address provided at activation is not permitted. The router cannot be unlocked for use on other networks.

5G
Not all devices, signals, or uses are compatible; check device specs. See T-Mobile.com, MetrobyT-Mobile.com, or AssuranceWireless.com for 5G coverage, access and network management details.

Approved firmware versions
This device will only operate with firmware versions that have been approved for use by your wireless carrier and the device manufacturer. If unauthorized firmware is placed on the device it will not function.

Information about safeguarding devices
We encourage customers to take appropriate measures to secure their devices and invite them to take advantage of the features available on this device to help secure it from theft and/or other unauthorized access and use. This device has a locking function (e.g., user-defined codes or patterns) that can serve as a first line of defense against unauthorized use or access to stored information. Preloaded security applications that allow customers to track or locate misplaced devices can be found on several devices. Lost or stolen devices should be immediately reported to your wireless carrier so that proper measures can be taken to protect accounts. For additional information, visit your wireless carrier's Privacy Policy.

More information
To access a user guide, go to go.inseego.com/fx4100.

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.

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