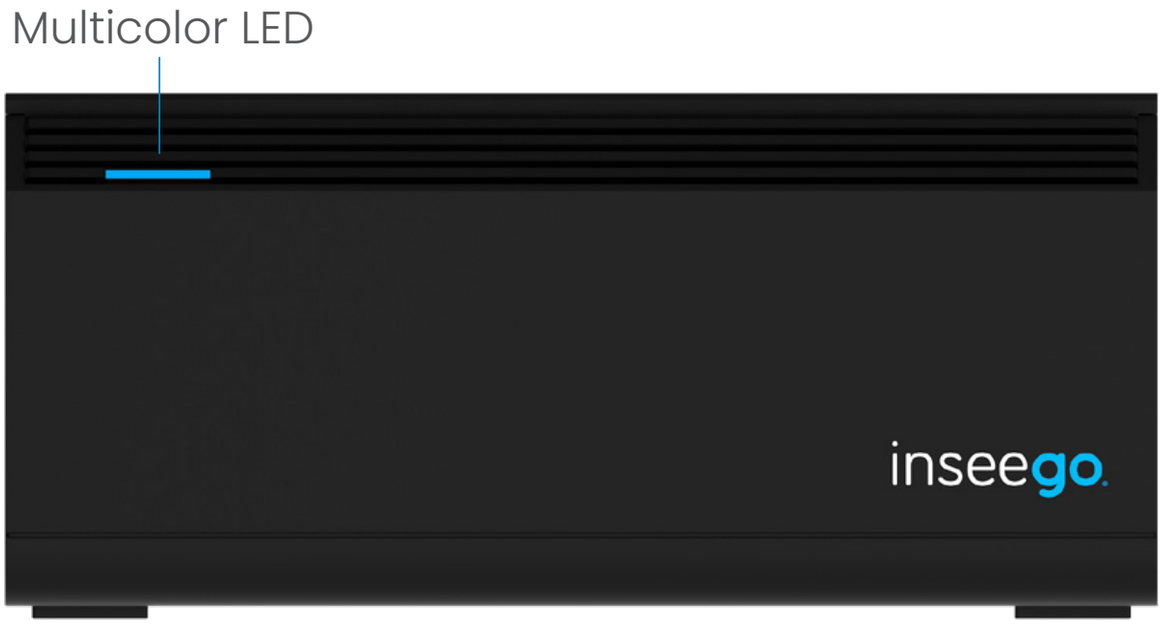
Inseego Wavemaker™ X700 Mesh Wi-Fi
Quick Start Guide



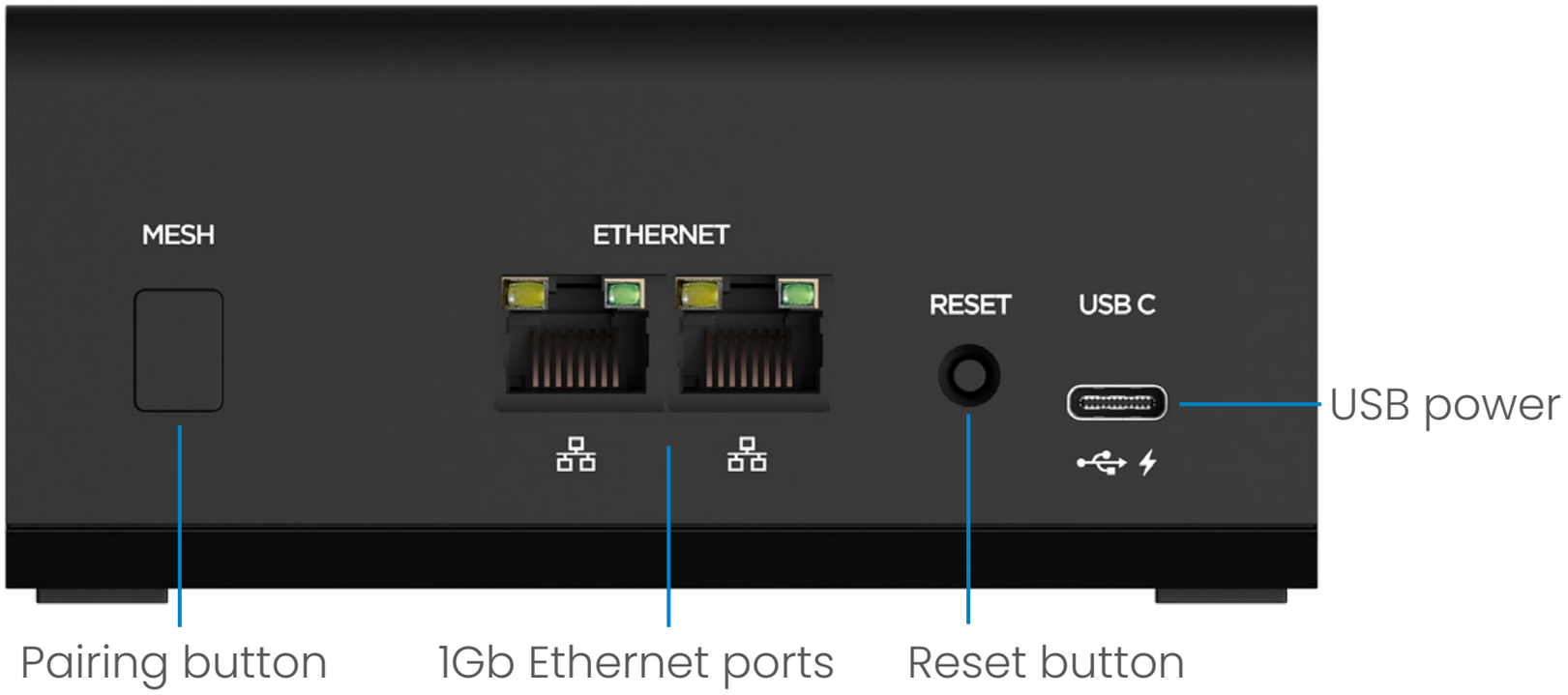
This guide provides instructions for connecting and managing your X700 Mesh Wi-Fi.

Front



Color		Operation	Meaning
Blue		Solid Blinking	Mesh on, great signal Pairing
Green		Solid Blinking	Mesh on, good signal Ready to pair
Yellow		Solid	Mesh on, poor signal
White		Solid Blinking	Firmware update is in progress Mesh is booting up
Red		Solid Blinking	Mesh issue/not connected Firmware update failed

Back



Connecting your X700

Key things to know before connecting a mesh node with a router:

- Both the router and mesh node must be powered on and ready to pair.
- The router and mesh node should be within 10 - 50 ft from each other when pairing with Wi-Fi. You will place the mesh node after pairing.
- Pairing actions on the router and mesh node must occur within 30 seconds of one another when pairing via Wi-Fi.
- The multicolor LED on the X700, and the device display and Wi-Fi status LED on the FX4100 help guide the pairing process.

Step one: power on the FX4100

- You can connect up to three mesh nodes to one FX4100, pairing one at a time.
- When the **FX4100 Wi-Fi status LED**  **is solid green**, it is **ready to pair**.

Step two: power on the X700

- Plug in the X700. You can use the provided AC adapter, a USB-powered delivery hub or USB power delivery (PD) host equipment.
- When the **X700 LED is blinking green**, it is **ready to pair**.

Step three: pair the X700

You can pair your X700 with an FX4100 using Wi-Fi or Ethernet.

Pairing with Wi-Fi

The router and mesh node should be within 10 - 50ft to pair. You will place the mesh node after pairing. To initiate Wi-Fi pairing, use the interactive device

Pair using the FX4100 device display

- Press the **device display button** on the FX4100 repeatedly until you see ***Wi-Fi Mesh: Hold button to add***.
- Press and hold the **device display button**.
- When prompted by the display, press the **Mesh button** on the back of the X700 within 30 seconds.
- The LED on the X700 and the Wi-Fi status LED on the router blink blue while pairing. Pairing typically takes 2-3 minutes.
- When the display shows ***Wi-Fi Mesh: Paired!*** and the **LED on the mesh node is a solid color**, pairing is complete.

OR

Pair using the admin web UI

- Go to http://192.168.1.1 to access the admin web UI for the FX4100. Navigate to **Wi-Fi > Mesh**.
- Click **Add Node** on the UI Mesh tab.
- Within 30 seconds, press the **Mesh button** on the back of the X700.
- The LED on the X700 and the router blink blue while pairing. Pairing typically takes 2-3 minutes.
- When the **Wi-Fi status LED on the router is solid blue** and the **LED on the mesh node is a solid color**, pairing is complete.

Pairing with Ethernet

- Connect an Ethernet cable from the X700 to the LAN port on the FX4100.
- Pairing is automatic. The LED on the X700 blinks blue while pairing. When pairing is complete the LED is solid.
- When you disconnect the Ethernet cable, the X700 remains paired via Wi-Fi.

Step four: find a location for your X700

- Adjust the location of the X700 using the LED color as a guide. Solid blue indicates a great signal. Solid green indicates a good signal.

Location suggestions:

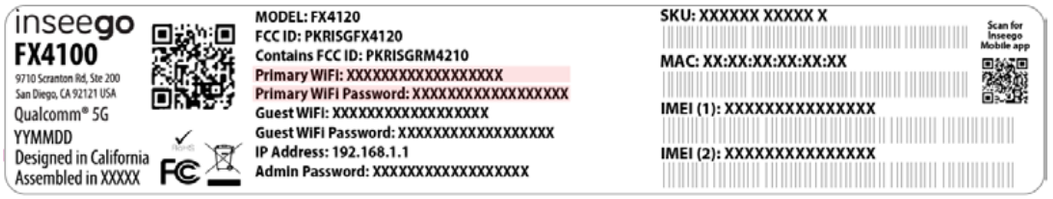
- Use the FX4100 Admin web UI Wi-Fi Mesh tab to ensure X700 nodes are using 5GHz as the Connection Type.
- With 5GHz coverage, mesh range is up to 50 feet.
- Walls, floors, appliances, furniture, pets, and people between the X700 and FX4100 reduce range.
- 1 wall = roughly 10 feet reduction in range.

Connecting wireless devices

Connecting wireless devices to an FX4100 5G Cellular Router through the X700 Mesh Wi-Fi looks and feels the same as connecting directly to the router.

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

1. Make sure the router is powered on and the device status LED is blue or green.
2. Open the Wi-Fi settings on the device you want to connect, and in the displayed list of available networks, select the **Primary Wi-Fi** network



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

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

Managing your X700

You can manage your X700 mesh node(s) through the FX4100's Admin web UI or Inseego Connect settings:

Admin web UI - Access the web UI at http://192.168.1.1.

Inseego Connect - 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.

- Use **Wi-Fi Settings > Mesh** to view all mesh nodes paired with your FX4100, add or remove a mesh node, or reboot a mesh node. You can also see the connected devices for each mesh node.
- Use **Connected Devices** to view more details on connected devices. You can also block or unblock devices from internet access.

You can monitor mesh nodes with the Inseego Mobile™ app.

Resetting your X700

To **reboot** your X700:

- Press the reset button for one second.

To perform a **factory reset** (removes pairing):

- Press and hold the reset button for five seconds.

Support and more

IMPORTANT: The Inseego Wavemaker X700 Mesh Wi-Fi is intended for use in a fixed location. Use at a location other than the eligible address provided at activation is not permitted.

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 this guide online, go to go.inseego.com/x700.

WARNING: DO NOT ATTEMPT TO SERVICE THE WIRELESS COMMUNICATION DEVICE YOURSELF. SUCH ACTION MAY VOID THE WARRANTY. THE MESH 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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