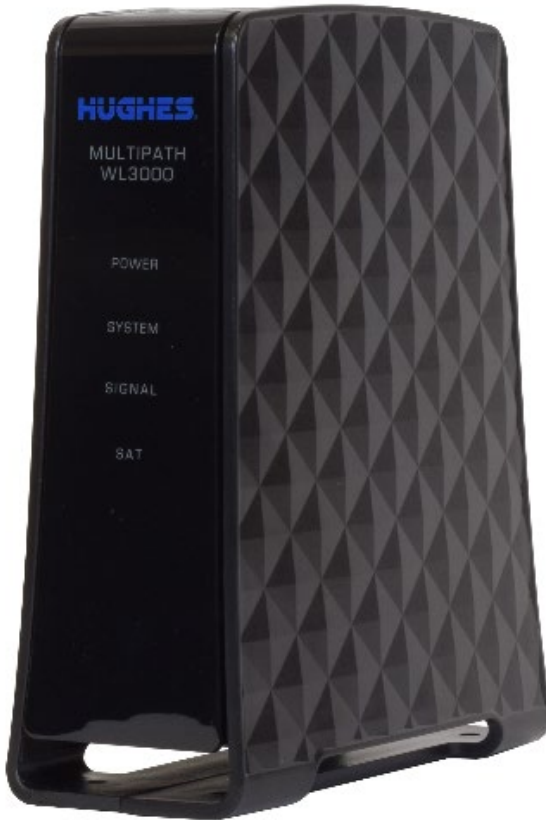


Hughesnet Fusion™

Quick Start Guide



SCAN to view installation video instructions

VISIT <https://fusion.hughesnet.com> to activate your Hughesnet Fusion plan

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Before you begin

ENSURE YOUR EXISTING HUGHESNET WI-FI MODEM IS CONNECTED AND PLUGGED IN!

An active Hughesnet® service is required prior to installing the Multipath Device.

The Multipath Device connects to your existing Hughesnet Wi-Fi Modem.



Figure 1: Connected Antenna, Multipath Device, and Hughesnet Wi-Fi Modem

Included in the box

The following items are included and packaged as pictured in [Figure 2](#).

Item	Description	Quantity
1	Multipath unit	1
2	Antenna with cable	1
3	Power adapter	1
4	Power cord	1
5	Double-sided tapes for antenna mounting	2
6	Ethernet cable	1

Note: Larger images of the included parts are available on the activation website <https://fusion.hughesnet.com/>

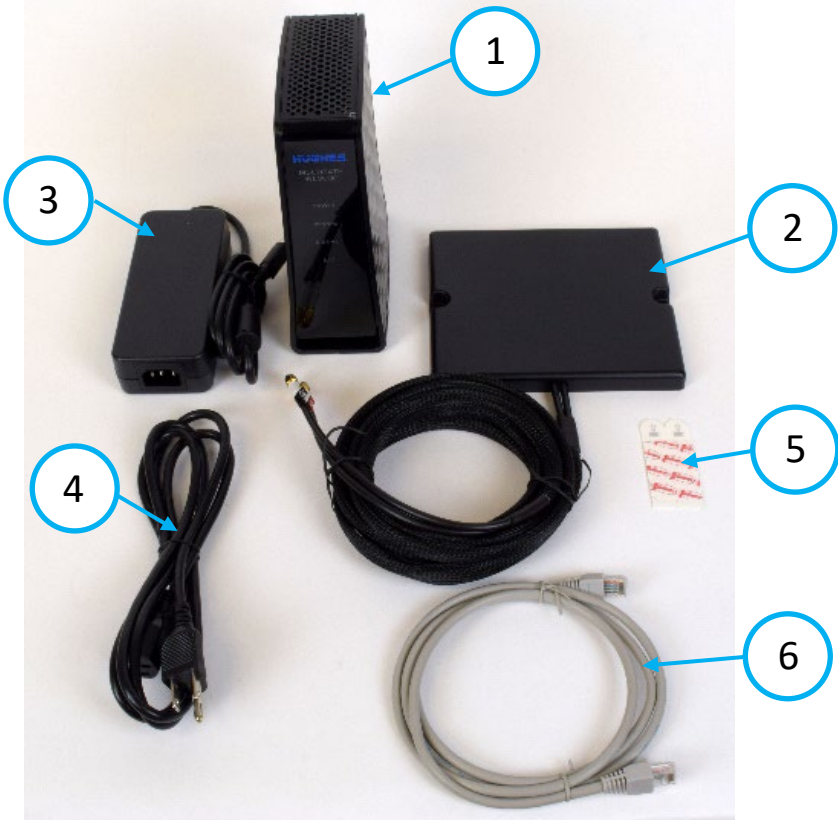


Figure 2: Multipath Device and included parts

Connect wireless antenna and Ethernet cable

CAUTION



Connect the wireless antenna and Ethernet cable **BEFORE** plugging in the power. This is to avoid static electricity discharges that could shock you and/or damage the device.

1. Connect and hand-tighten the antenna cables (Figure 3) to the Multipath Device, taking care to match the labeled cable to the appropriate port.
 - a. Antenna cable with ANT1 label connects to the top ANT1 port.
 - b. Antenna cable with ANT2 label connects to the bottom ANT2 port.



Figure 3: Antenna ports

2. Connect the Multipath Device to any unused Ethernet port on the Hughesnet Wi-Fi Modem using the provided Ethernet cable.

Note: The Hughesnet HT3000W Wi-Fi Modem only has two Ethernet ports to choose from. The Hughesnet HT2000W/HT2010W Wi-Fi Modems (pictured) has four.

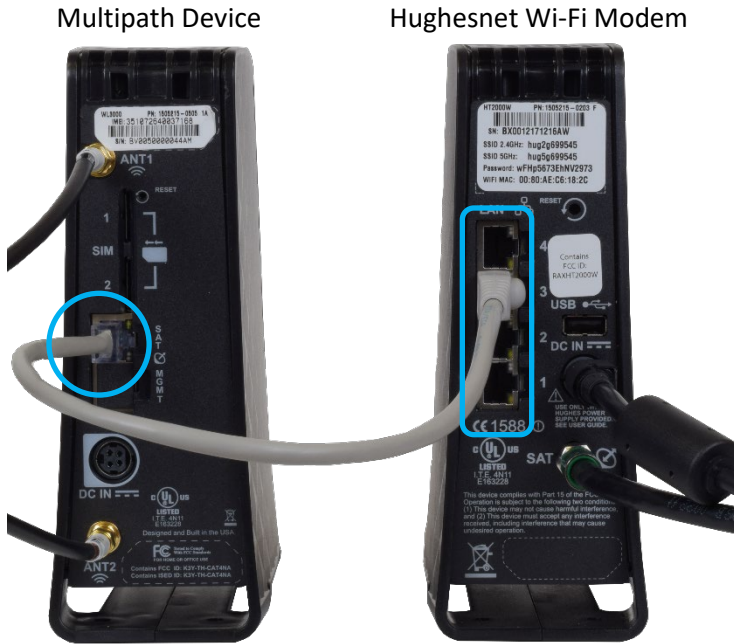


Figure 4: Ethernet cable connection

3. Lay the Multipath Device on its side to prevent tipping during antenna placement.
4. Place the antenna at least 4 feet (see [Figure 5](#)) from the following, but do not mount the antenna during this step:
 - a. Large metal objects (such as shelves or cabinets)
 - b. Appliances
 - c. Electronics
 - d. Hughesnet Wi-Fi Modem.

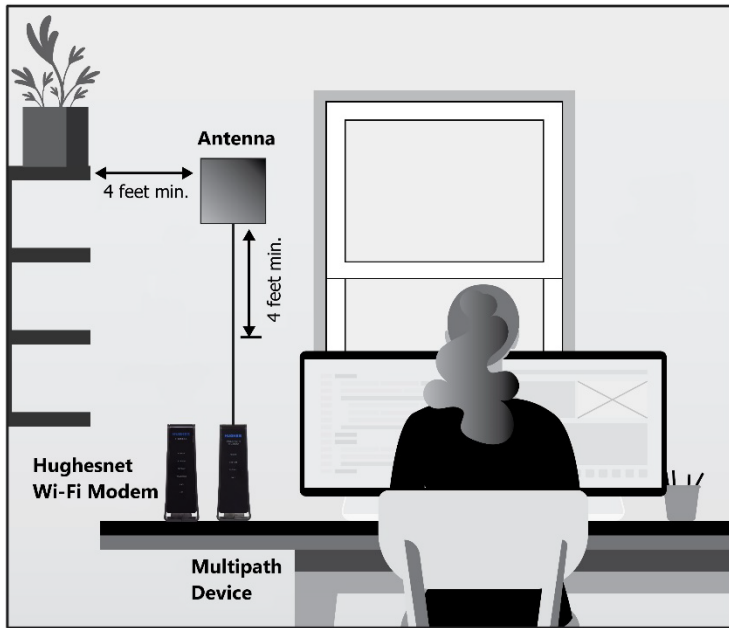


Figure 5: Antenna Placement

NOTE: Optimal signal strength is typically found near an exterior wall or window. Avoid installing in a basement, if possible. The activation step will guide you to position the antenna at a location with the best signal strength.

Connect Power

1. Connect the power adapter to the Multipath Device.
 - a. The DC IN port on the Multipath Device is highlighted with a white D-shaped indicator. The shape of the locking mechanism (see [Figure 8](#)) on the power adapter will need to line up with this indicator (see the blue lines in [Figure 6](#)).

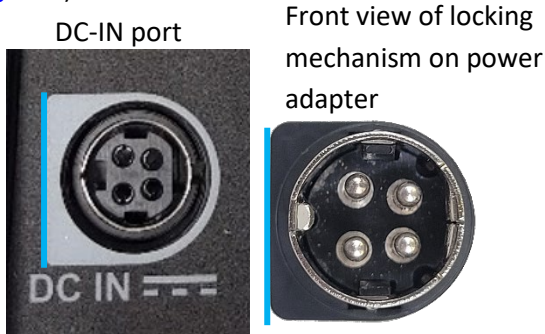


Figure 6: DC-IN indicator

- b. Align the power adapter to the unit and press in until you hear a click. This will indicate that the cord is connected correctly (see the blue lines in [Figure 7](#)).



Figure 7: Power connection

Note: If you need to unplug the power adapter, grip the locking mechanism ([Figure 8](#)) and pull. The locking mechanism will disengage, and you will be able to remove the power adapter.



Figure 8: Locking mechanism

2. Connect the power cord to the power adapter (a), then plug the power cord into the power outlet (b) as shown in Figure 9.

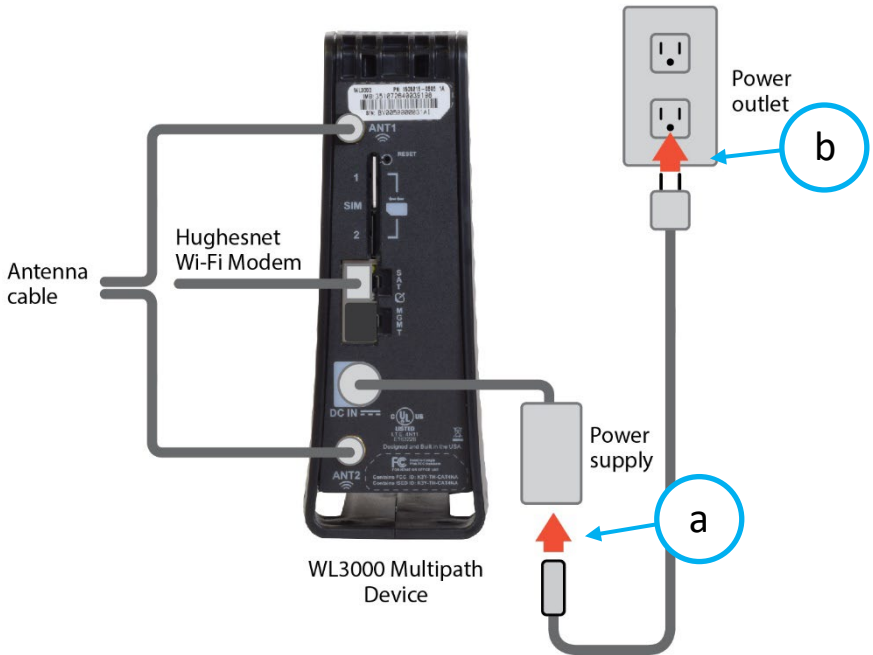


Figure 9: Power plug in to wall

Note: See [Figure 10](#) for an example of the Multipath Device when all connections are complete. Your setup of the Hughesnet Wi-Fi Modem may differ from the image below.

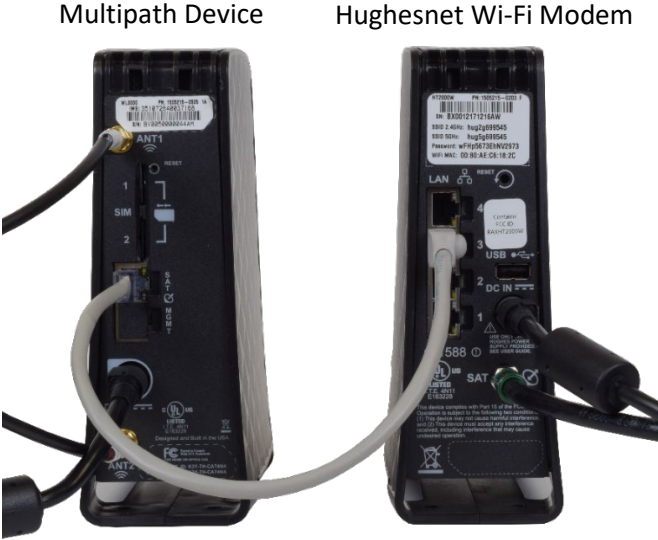


Figure 10: Multipath Device Connected

Activate service and mount antenna

1. Ensure the SYSTEM LED on the front of the Multipath Device is BLINKING and the SAT LED is SOLID.

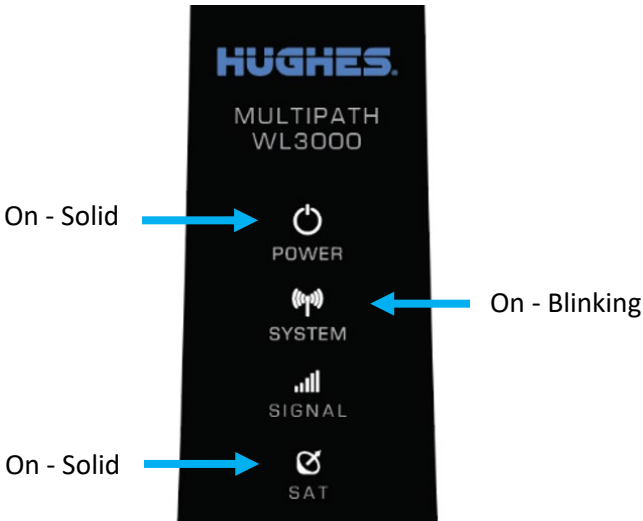


Figure 11: Current LEDs

2. Go to <https://fusion.hughesnet.com> and follow the on-screen instructions to start the activation and complete the installation.
3. Secure the antenna to a flat surface using one of the following methods:
 - Hughes provided double-sided tape; not recommended for windows:
 - peel off the backing on one side of the tape
 - press the sticky side onto the antenna and press down for 30 sec
 - repeat for the wall side
 - user provided screws
 - user provided nails
4. Re-tighten the antenna cables as they may have loosened while adjusting the antenna.



Figure 12: Tighten antenna connections

5. Stand the Multipath Device in a vertical position.

Note: Do not leave the Multipath Device on its side. The device may overheat in this position.

Troubleshooting

In the event of an issue, check the following:

1. Check the multipath device

- Ensure that the power light is ON and the power connection is secure
- Ensure that the connections for the antenna are secure
- Ensure that the Ethernet cable connects the Multipath Device directly to the Hughesnet Wi-Fi Modem. Do not connect a switch, router, or any other networking device between the two devices.
- If using your own Ethernet cable, ensure the cable is Cat5e, CAT6, or CAT7.

2. Check the Hughesnet Wi-Fi Modem

- Ensure that the Hughesnet Wi-Fi Modem is ON
- Ensure that the Wi-Fi LED is ON



Figure 13: Wi-Fi LED on the Hughesnet Wi-Fi Modem

- Ensure you're connected to the Hughesnet home network: **On the device being used for installation**, go to **settings** → **Wi-Fi** and confirm the SSID (Wi-Fi name) it is connected to matches SSID of your home network. This is often the same as found on the Hughesnet Wi-Fi modem label.

Note: If you are having trouble locating the Wi-Fi settings, refer to your device's user manual.

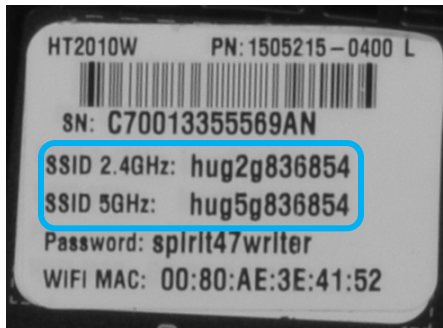


Figure 14: Example Wi-Fi label on the Hughesnet Wi-Fi Modem


3. Check your browser's version on the device being used for installation and ensure you have the latest release.

Need help with the installation?

Call Hughes Customer Care toll-free at 866-347-3292.

For Multipath Device FAQs, visit hninfo.us/fusion.

Table 1: Multipath Device LED definitions

Multipath Device	LED	Definition
 <p>The image shows a black, vertical Hughes Multipath WL3000 device. At the top, the 'HUGHES' logo is in blue, followed by 'MULTIPATH WL3000' in white. Below the text are four LED indicators, each with a white icon and a label: a power button icon for 'POWER', a Wi-Fi signal icon for 'SYSTEM', a cellular signal strength icon for 'SIGNAL', and a satellite icon for 'SAT'.</p>	POWER	The LED will turn on within a few seconds of power up and stays solid until power is removed.
	SYSTEM (Solid)	The system and acceleration is fully operational.
	SYSTEM (Blinking)	The system and acceleration is partially operational, and requires attention.
	SYSTEM (Off)	The system and acceleration is not ready/available.
	SIGNAL (Solid)	The wireless connection is fully connected.
	SIGNAL (Blinking)	The wireless connection is searching/connecting to the wireless service
	SIGNAL (Off)	The wireless connection is not ready/available.
	SAT (Solid)	The Multipath Device is connected to the Hughesnet Wi-Fi Modem.
	SAT (Blinking)	The Multipath Device is connected to the Hughesnet Wi-Fi Modem, but is checking connectivity.
	SAT (Off)	The Hughesnet Wi-Fi Modem is not connected.