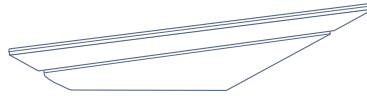


Starlink Flat High-Performance Activation and Configuration



Activating Your Starlink

The Starlink system needs to be activated under a data plan by KVH. If you are new to KVH, please visit kvh.com/activate-starlink and follow the steps to create a new KVH account and activate your Starlink. If you already have a KVH airtime account, log into KVH Manager (via mykvh.com or the mobile app), select Plan* from the menu, then select Activate and follow the steps.

Note: If you need assistance with activation, please contact KVH Airtime Services at airtimeservices@kvh.com or +1-401-851-3862 (available 24/7/365).

To complete your activation, you will need one of the following Starlink identifiers:

- Starlink system (Kit) serial number (preferred method)
- Antenna (Dish) serial number
- Terminal ID (do not include the “ut” at the beginning)
- KVH serial number

The system serial number, starting with “KIT,” is printed on a label on the outside of the Starlink box (see Figure 1). The antenna serial number can be found on the bottom of the antenna near the cable connector (see Figure 2). The terminal ID can be found on the Advanced page of the Starlink mobile app (see Figure 3). The KVH serial number is printed on a label on the outside of the shipping box as well as on the enclosed activation sheet.

* If you need access to the Plan page, contact KVH Airtime Services at airtimeservices@kvh.com or +1-401-851-3862 (available 24/7/365).

Figure 1: System (Kit) Serial Number Location



Figure 2: Antenna (Dish) Serial Number Location

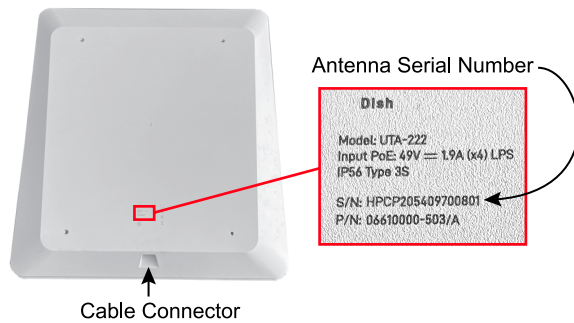
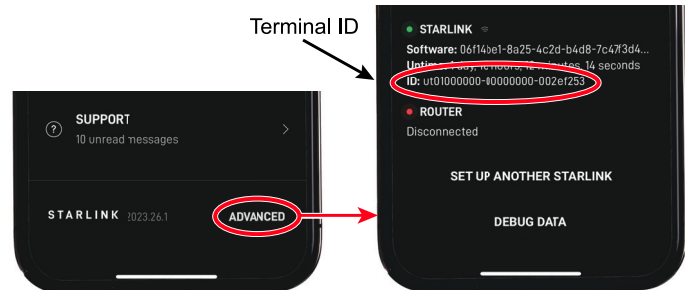


Figure 3: Terminal ID Location



Technical Support

Within Continental U.S.A.: 1 866 701-7103 | Worldwide: +1 401 851-3806 | Email: mvbsupport@kvh.com

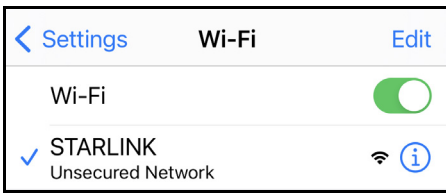
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Changing the Wi-Fi Network Name and Password (If Applicable)

If your system is equipped with a Starlink router, KVH strongly recommends that you assign a password to your Starlink's Wi-Fi network to prevent unauthorized access, unless you are pairing your Starlink system with a KVH antenna system (see "Pairing Starlink with a KVH Antenna System (If Applicable)" on page 5). You may also change the name (SSID) of the network. Follow the steps below.

1. Connect your mobile device to the **STARLINK** or **STINKY** Wi-Fi network (no password).

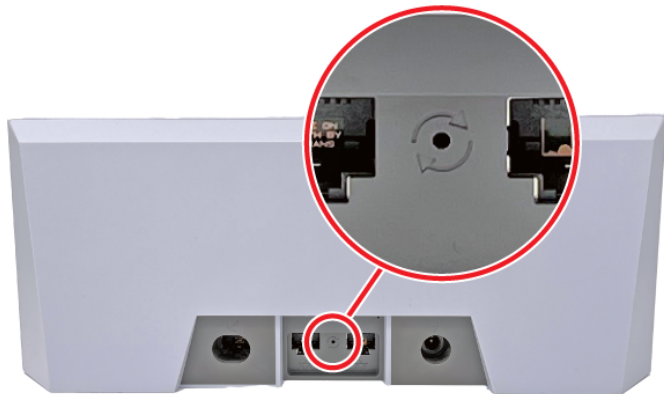
Figure 4: Default Starlink Wi-Fi Network Connection



If you do not see this network, perform a factory reset of the Starlink router:

Starlink Gen 3 router: Remove the rubber cover protecting the Ethernet ports on the rear panel. Then, using a paper clip (or equivalent), press and hold the Reset button located between the two Ethernet ports for 2-3 seconds. *The light on the front of the router will blink fast for a few seconds then blink slowly for a couple minutes while the router initializes.*

Figure 5: Starlink Gen 3 Router Factory Reset Button



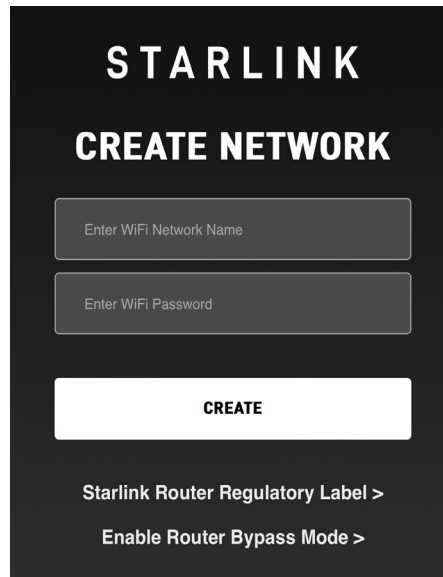
Starlink Gen 2 router: Cycle power (unplug then plug back in the AC power cord) on the router six times in a row, allowing 2-3 seconds between power cycles. Then wait a few minutes for the router to initialize.

Figure 6: Starlink Gen 2 Router Power Cable Connection



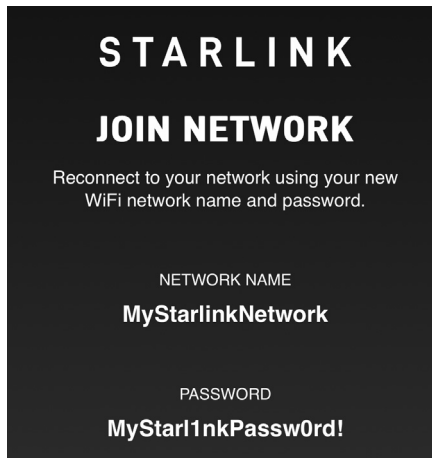
2. Open a web browser and go to **192.168.1.1**. You should see "Starlink Create Network."

Figure 7: Starlink Create Network Page



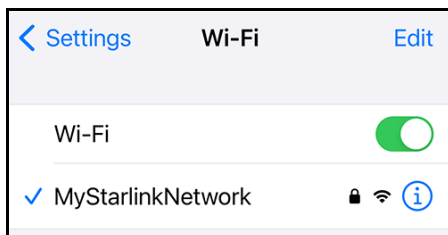
3. Enter a new name and password for the Starlink Wi-Fi network. Then select **CREATE**. A confirmation screen will appear.

Figure 8: Confirmation Screen



4. Reconnect to the Starlink Wi-Fi network using your new network name and password.

Figure 9: Connection to Renamed Starlink Wi-Fi Network



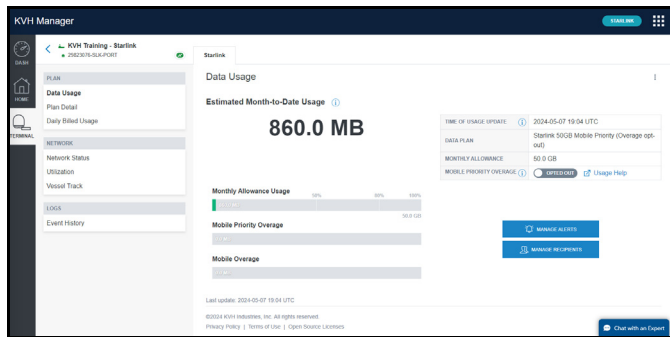
Viewing and Managing Your Starlink Data Usage

KVH Manager

The KVH Manager secure web portal provides many helpful data management and reporting tools, such as:

- View system connection status, location, and usage
- Set up data usage and overage alerts
- Opt-in or opt-out of Priority data overages
- Enable and configure optional KVH Basic Email Service

Figure 10: Starlink Usage Info in KVH Manager (Example)

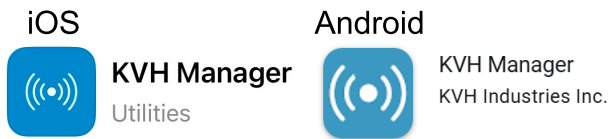


To access KVH Manager, follow these steps:

1. Open a web browser on any computer connected to the Internet and enter <https://www.mykvh.com>.
2. At the myKVH login page, enter your email address and myKVH password (provided by KVH Airtime Services) or click the Forgot Password link.
3. Select **KVH Manager**.

KVH Manager is also now available as a mobile app! You can download the KVH Manager app for free from the Apple App Store or Google Play Store.

Figure 11: KVH Manager App Icons



Note: If you are the subscriber/authorized user for the account, contact KVH Airtime Services (airtimeservices@kvh.com) to receive your myKVH login or to add/remove users.

Note: To learn more about KVH Manager tools for Starlink, view the overview video at www.kvh.com/starlink.

Optional CommBox™ Edge

KVH's CommBox Edge Communications Gateway allows you to integrate and control every communication channel on your vessel, including Starlink, 5G/LTE, VSAT, Wi-Fi, and more. It offers a powerful suite of network and bandwidth management tools, including:

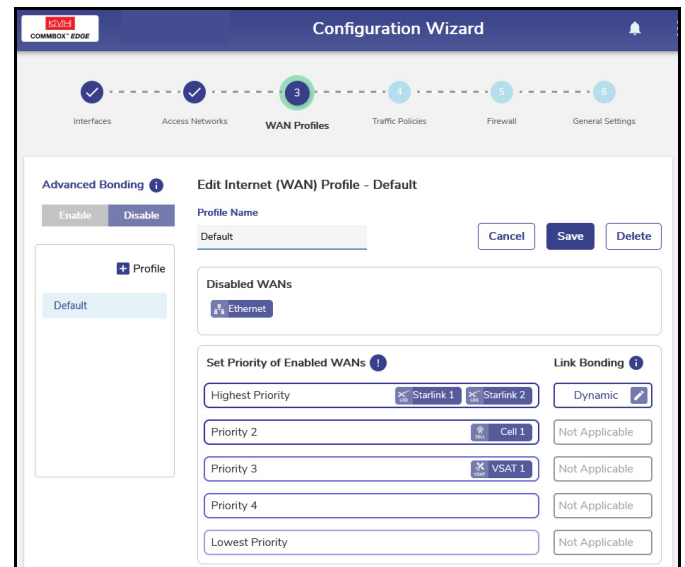
- Prioritization and bonding of multiple WAN (wide area network) connections
- Fully configurable application controls, content filters, rate limits, and usage quotas
- Crew captive access network and data allocations
- Secure remote access to onboard networked devices
- Cloud-managed user interface and mobile app with real-time metering and analysis

Visit kvh.com/edge or contact the KVH Sales Department at sales@kvh.com to learn more.

Figure 12: CommBox Edge 6



Figure 13: CommBox Edge User Interface



Pairing Starlink with a KVH Antenna System (If Applicable)

The following supplemental instructions explain how to connect your Starlink flat high-performance antenna system to a KVH TracNet™ H-series or Coastal Pro or TracPhone® HTS-series antenna system (if installed on your vessel) and enable automatic switching between them.*

IMPORTANT!

Before you begin, install the Starlink antenna system as described in the instructions provided by Starlink.

If your Starlink system is equipped with a Gen-2 router, you will need a Starlink Ethernet adapter (see Figure 14) to connect it to the KVH antenna system. *This Ethernet adapter is supplied with all Starlink Gen-2 router systems purchased from KVH. If you need one, order KVH part no. 19-1240-01.*

Figure 14: Ethernet Adapter (Required for Gen 2 Router Connection)



* **Note:** The TracPhone V30 model requires a third-party network management device, such as the KVH CommBox Edge, for automatic switching. Contact the KVH Sales Department at sales@kvh.com for details.

Step 1: Enable Bypass Mode on the Starlink Wi-Fi Router (If Applicable)

Since the KVH antenna system’s Hub+/Hub/ICM will serve as the router, you need to turn off the network functionality of the Starlink Wi-Fi router (if installed) by setting it to Bypass mode. Follow the steps below.

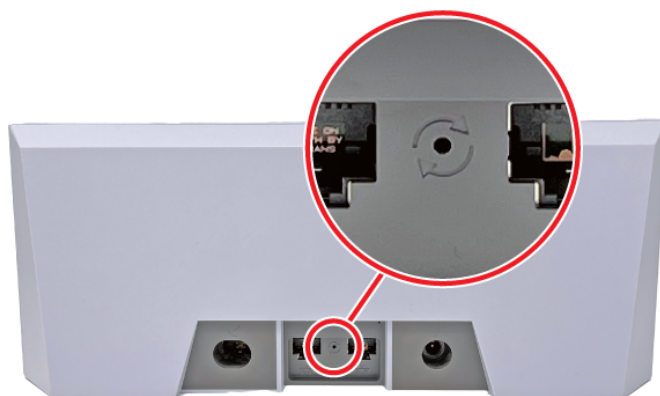
IMPORTANT!

Bypass mode disables the router’s built-in Wi-Fi.

1. Perform a factory reset of the Starlink router.

Starlink Gen 3 router: Remove the rubber cover protecting the Ethernet ports on the rear panel. Then, using a paper clip (or equivalent), press and hold the Reset button located between the two Ethernet ports for 2-3 seconds. *The light on the front of the router will blink fast for a few seconds then blink slowly for a couple minutes while the router initializes.*

Figure 15: Starlink Gen 3 Router Factory Reset Button



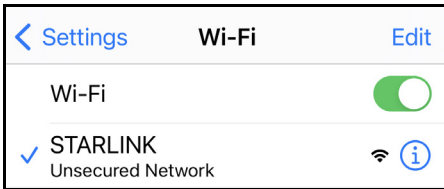
Starlink Gen 2 router: Cycle power (unplug then plug back in the AC power cord) on the router six times in a row. Allow 2-3 seconds between power cycles.

Figure 16: Starlink Gen 2 Router Power Cable Connection



2. Wait a few minutes for the router to initialize.
3. Connect your mobile device to the **STARLINK** or **STINKY** Wi-Fi network (no password).

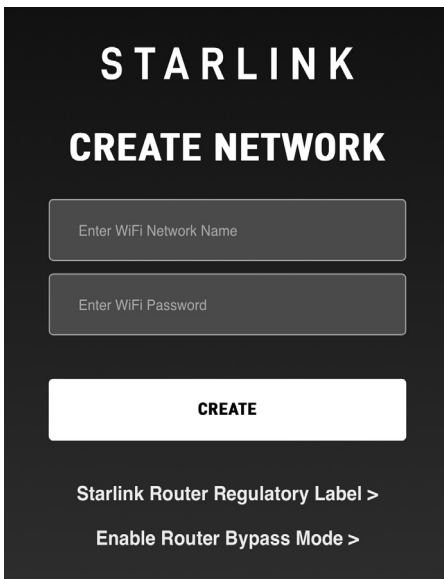
Figure 17: Starlink Wi-Fi Network Connection (iPhone Example)



Note: As an alternative to Wi-Fi, you can use a laptop connected directly to the Starlink router with an Ethernet cable (for a Gen 2 router, connect via the Ethernet adapter).

4. Open a web browser and go to **192.168.1.1**. You should see “Starlink Create Network.”

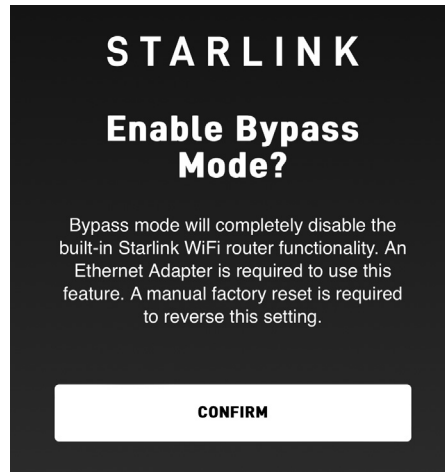
Figure 18: Starlink Create Network Page



5. Select **Enable Router Bypass Mode**.

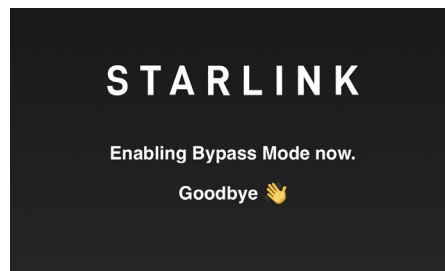
6. Select **Confirm**.

Figure 19: Confirmation Page



7. When you see the “Goodbye” message, you can close your browser. The Starlink router is now in Bypass mode.

Figure 20: Goodbye Message

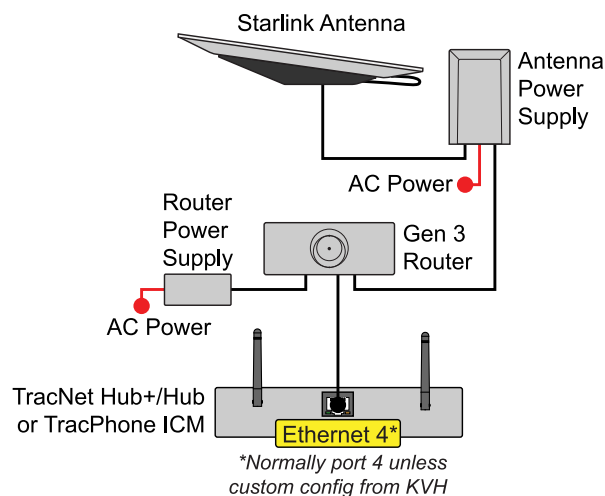


Step 2: Connect the Starlink to the KVH Antenna System

Starlink Gen 3 Router

1. Unplug the power cords from the Starlink power supply and router.
2. Using a Cat5E or better Ethernet cable, connect the Gen 3 router (using either Ethernet port) to the designated Ethernet port on the TracNet system's Hub+ or Hub or the TracPhone system's ICM. Use Ethernet port 4 unless KVH has specified a different port for your configuration.
3. Reconnect the Starlink power supply and Wi-Fi router power cords.

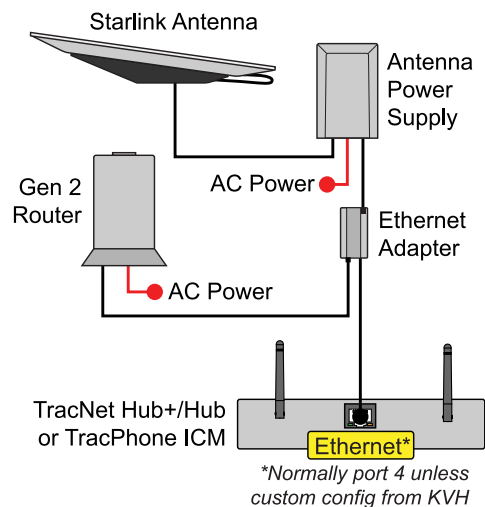
Figure 21: Starlink Gen 3 Router Connection Diagram



Starlink Gen 2 Router

1. Connect the Ethernet adapter in-line between the Starlink power supply and the Starlink Wi-Fi router:
 - a. Unplug the power cords from the power supply and Wi-Fi router.
 - b. At the Wi-Fi router, disconnect the cable that is connected to the power supply.
 - c. Connect the Ethernet adapter's built-in cable to the Wi-Fi router.
 - d. Connect the cable from the power supply to the other end of the Ethernet adapter.
2. Using a Cat5E or better Ethernet cable, connect the Ethernet adapter to the designated Ethernet port on the TracNet system's Hub+ or Hub or the TracPhone system's ICM. Use Ethernet port 4 unless KVH has specified a different port for your configuration.
3. Reconnect the Starlink power supply and Wi-Fi router power cords.

Figure 22: Starlink Gen 2 Router Connection Diagram



No Starlink Router

1. Unplug the power cord from the Starlink power supply.
2. **If connecting to a TracPhone HTS-series system:** Using the supplied Starlink Ethernet cable, connect the power supply to the designated Ethernet port on the TracPhone system's ICM (see Figure 23). Use Ethernet port 4 unless KVH specified a different port for your configuration.

If connecting to a TracNet H-series or Coastal Pro:

Using the supplied Starlink Ethernet cable, connect the power supply to a Netgear GS305 switch* (KVH part no. 72-1112). Then connect a second port on the switch to the designated port on the TracNet system's Hub+/Hub (see Figure 24). Use Ethernet port 4 unless KVH specified a different port for your configuration.

***IMPORTANT!**

KVH tested the Netgear GS305v3 switch and verified its compatibility with both Starlink and TracNet systems. Other switch models may not work properly.

3. Reconnect the Starlink power supply's power cord.

Figure 23: Starlink Connection Diagram for HTS-series

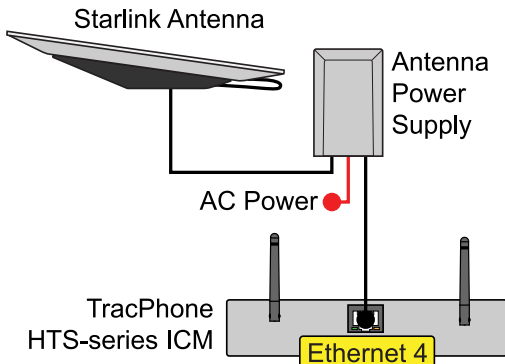
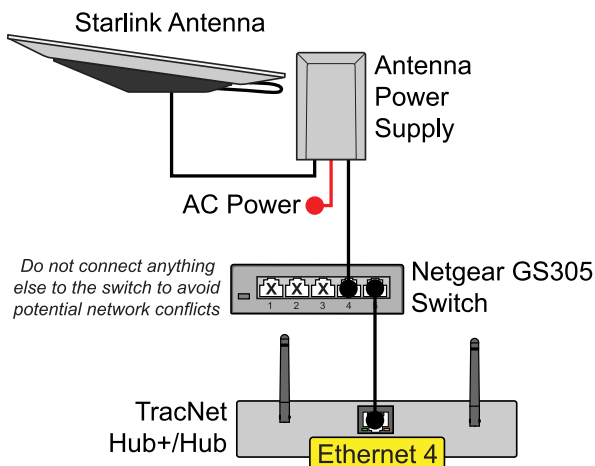


Figure 24: Starlink Connection Diagram for H-series/Coastal Pro



Step 3: Update the KVH Antenna System Software (If Necessary)

The following software version or later must be installed on the KVH antenna system to support Starlink integration:

- TracNet H-series/Coastal Pro: **3.1.0** or later
- TracPhone HTS-series: **400.0** or later

You can find the currently installed version on the Support page of the system's web interface. If an update is needed, use the KVH app or the web interface to upload the latest file. Refer to the system's Help for details (see www.kvh.com/support/product-help).

Step 4: Configure the KVH Antenna System for Auto Switching

IMPORTANT!

This step only applies to TracNet H-series or TracPhone HTS-series systems.

Contact KVH Technical Support (mvbsupport@kvh.com) to configure the KVH antenna system software for Starlink integration and enable the system to automatically switch to Starlink whenever Starlink service is available. KVH will deliver your configuration file over the air via your TracNet or TracPhone system's Internet connection.

Note: An active KVH data plan is required for automatic switching. To inquire or make any plan changes, contact KVH Airtime Services at airtimeservices@kvh.com.

Step 5: Change Port Configuration of the TracNet System

IMPORTANT!

This step only applies to TracNet H-series or Coastal Pro systems.

Log into the TracNet system's web interface or KVH Manager and select a new port configuration that supports Starlink. Refer to the instructions in the system's Help. The following new options apply:

| Option | Description |
|--|--|
| Split + Backup + Starlink <i>H60/H90 only</i> | Port 1, Wi-Fi: High-speed LAN Port 2: Unlimited Use LAN Port 3: Backup WAN (if used) Port 4: Starlink WAN |
| High-speed or User LAN + Backup + Starlink | Ports 1-2, Wi-Fi: High-speed LAN Port 3: Backup WAN (if used) Port 4: Starlink WAN |
| Unlimited Use + Backup + Starlink <i>H60/H90 only</i> | Ports 1-2, Wi-Fi: Unlimited Use LAN Port 3: Backup WAN (if used) Port 4: Starlink WAN |

In all three options, the Starlink system connected to port 4 on the Hub+/Hub will be considered the "Alternate WAN." Automatic switching differs by antenna model:

TracNet Coastal Pro

In automatic mode, the TracNet Coastal Pro system will use the Starlink connection whenever the Wi-Fi and Cell connections are both degraded or unavailable.

TracNet H-series

In automatic mode, the TracNet H-series system will use the Starlink connection whenever it is available for use - it will be the preferred connection.