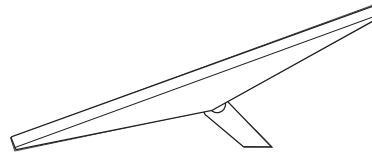


Starlink™ Mini

Activation and Configuration



Activating Your Starlink

The Starlink system needs to be activated under an airtime rate plan by KVH. Fill out the activation form (available from your KVH dealer or sales rep) and email it to airtimeservices@kvh.com.

Note: For activation assistance, please email starlinkactivations@kvh.com and indicate whether your Starlink will be installed on a vessel, building, or land mobile application.

To complete the activation form, 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 the outside of the Starlink box (see Figure 1). The antenna serial number can be found on the bottom of the antenna (see Figure 2). The terminal ID can be found on the Advanced page of the Starlink App (see Figure 3). The KVH serial number is printed on a label on the outside of the box (see Figure 4) as well as on the enclosed activation sheet.

Figure 1: System (Kit) Serial Number Location (Bottom of Box)

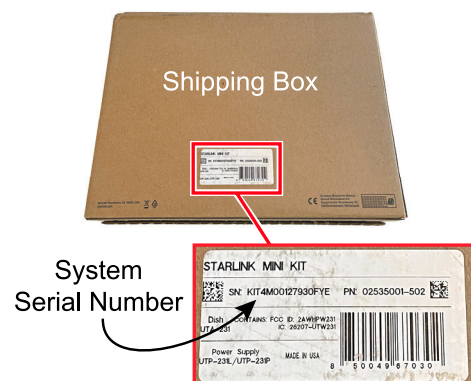


Figure 2: Antenna (Dish) Serial Number Location

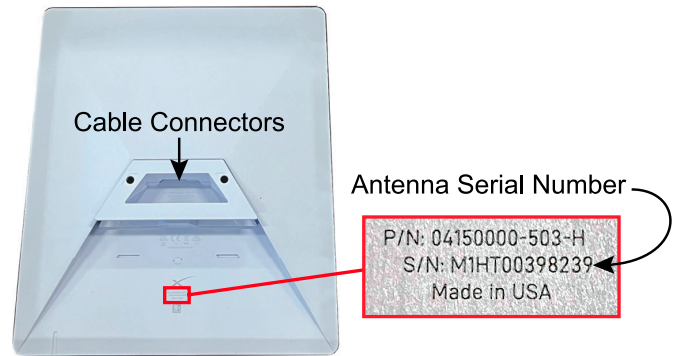


Figure 3: Terminal ID Location

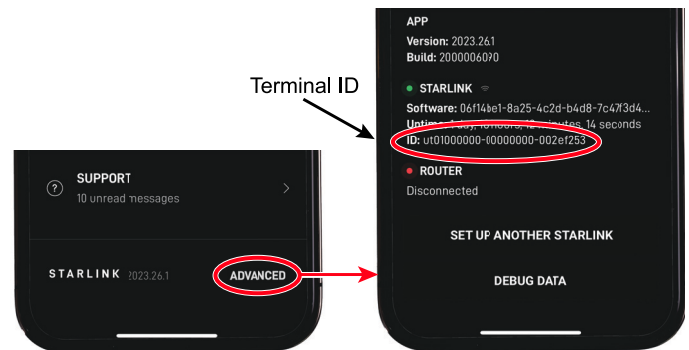


Figure 4: KVH Serial Number Location



Technical Support

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

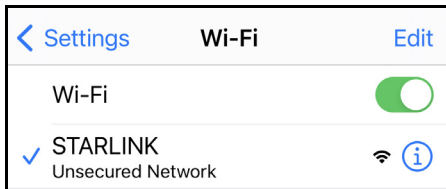
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Changing the Wi-Fi Network Name and Password

KVH strongly recommends that you assign a password to your Starlink's built-in Wi-Fi network to prevent unauthorized access. You may also change the name (SSID) of the network. Follow the steps below.

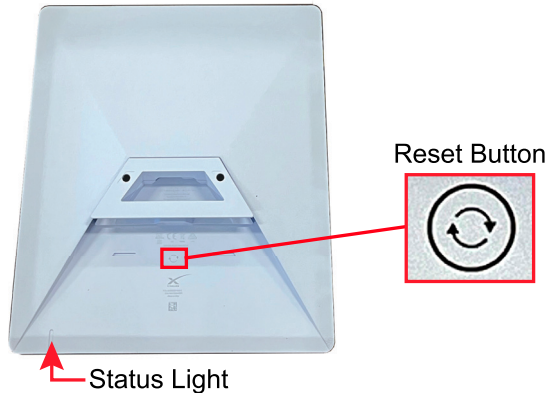
1. Connect your mobile device to the **STARLINK** Wi-Fi network (no password).

Figure 5: Default Starlink Wi-Fi Network Connection



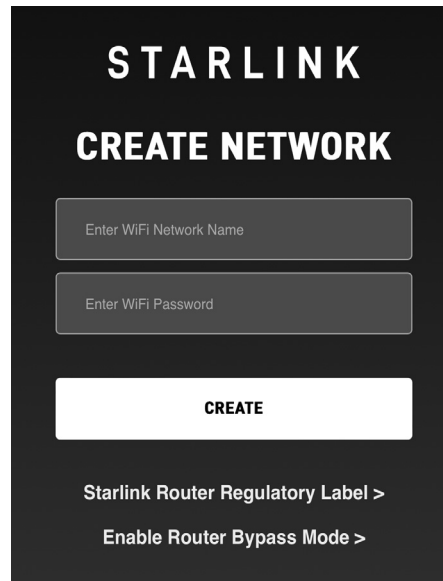
If you do not see this network, perform a factory reset of the Starlink system. Firmly press and hold the Reset button located on the bottom of the antenna for at least 3 seconds. *The status light on the bottom on the antenna will blink quickly while you are pressing the button then turn off as it reboots.*

Figure 6: Reset Button



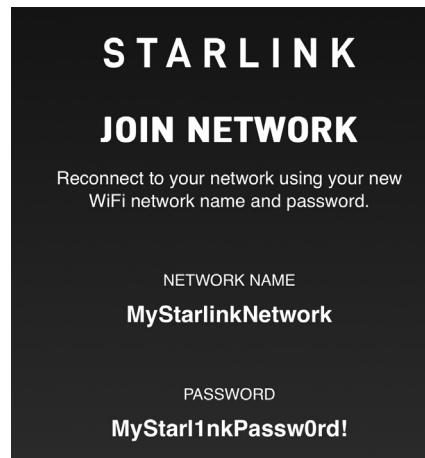
2. Open a web browser and go to **192.168.1.1**. You should see "Starlink Create Network."

Figure 7: Starlink Create Network Page



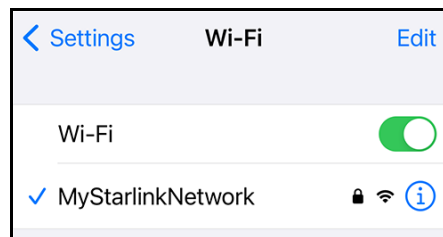
3. Enter a new name and password for the Starlink Wi-Fi network. Then select **CREATE**. A confirmation screen will appear.

Figure 8: Confirmation Screen



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

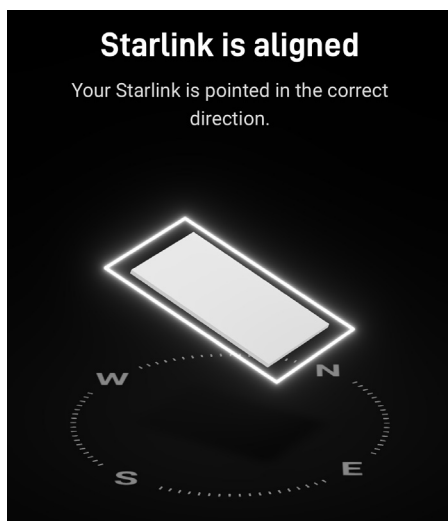
Figure 9: Connection to Renamed Starlink Wi-Fi Network



Aligning Your Starlink

If you haven't already done so during installation, be sure to align your Starlink properly using the Starlink App. With your mobile device connected to the Starlink's Wi-Fi network, launch the Starlink App. If it displays an alert that the antenna is misaligned, tap the alert and adjust your Starlink's position as directed by the App's alignment tool.

Figure 10: Alignment Tool in Starlink App



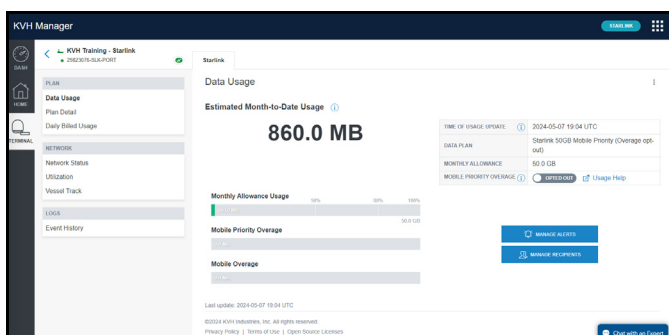
Viewing and Managing Usage

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 Mobile Priority or Priority data overages
- Enable and configure optional KVH Basic Email Service

Figure 11: 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**.

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.

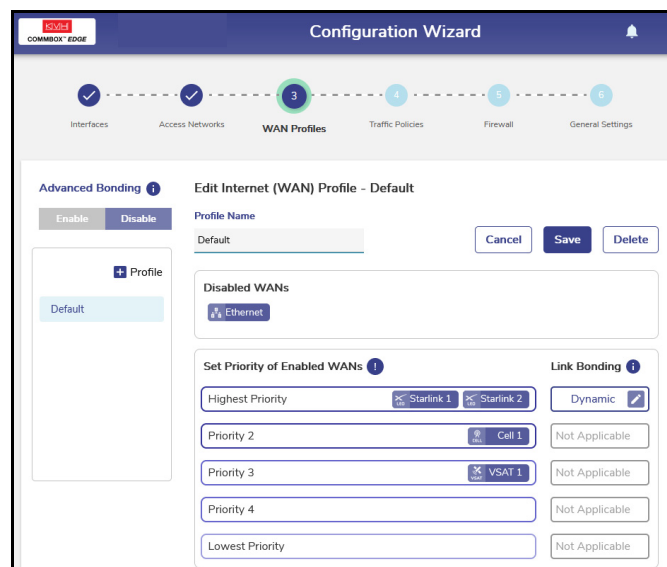
Optional CommBox™ Edge

KVH's CommBox Edge Communications Gateway allows you to integrate and control all of your communication channels, 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
- Captive access network and user 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 User Interface



Pairing Your Starlink with a KVH Antenna System (If Applicable)

The following supplemental instructions explain how to connect your Starlink 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, with Starlink as the primary and KVH as the backup.*

IMPORTANT!

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

* **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 System

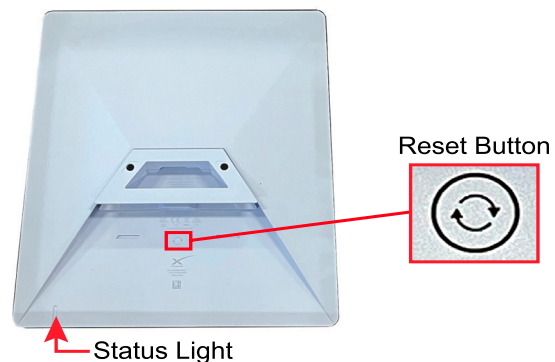
Since the KVH antenna system's Hub+/Hub/ICM will serve as the router, you need to turn off the network functionality of the Starlink's built-in Wi-Fi router by setting it to Bypass mode. Follow the steps below.

IMPORTANT!

Bypass mode disables the Starlink's built-in Wi-Fi.

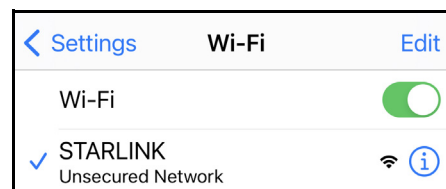
1. Perform a factory reset of the Starlink system. Firmly press and hold the Reset button located on the bottom of the antenna for at least 3 seconds. *The status light on the bottom of the antenna will blink quickly while you are pressing the button then turn off as it reboots.*

Figure 13: Starlink Reset Button



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

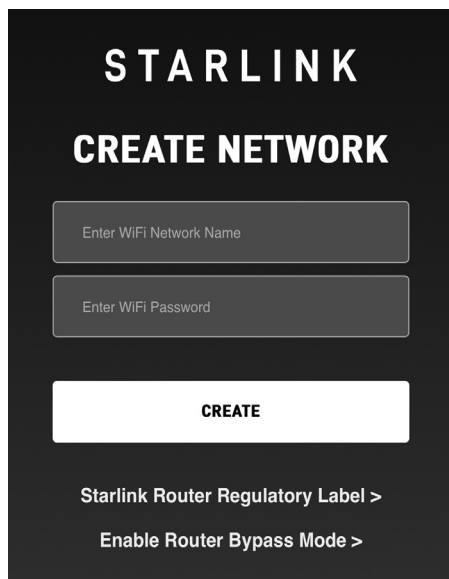
Figure 14: Starlink Wi-Fi Network Connection (iPhone Example)



Note: As an alternative to Wi-Fi, you can use a laptop connected directly to the Starlink antenna with an Ethernet cable.

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

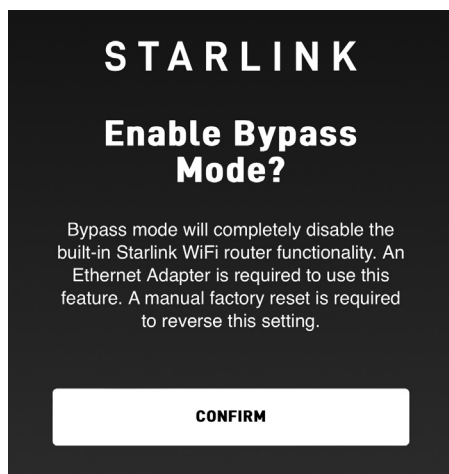
Figure 15: Starlink Create Network Page



The image shows the Starlink 'CREATE NETWORK' page. It has a dark background with white text. At the top, it says 'STARLINK' and 'CREATE NETWORK'. Below this are two input fields: 'Enter WiFi Network Name' and 'Enter WiFi Password'. A 'CREATE' button is below the password field. At the bottom, there are two links: 'Starlink Router Regulatory Label >' and 'Enable Router Bypass Mode >'.

- Select **Enable Router Bypass Mode**.
- Select **Confirm**.

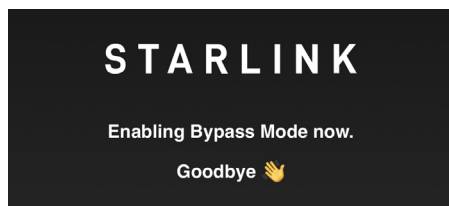
Figure 16: Confirmation Page



The image shows the Starlink 'Enable Bypass Mode?' confirmation page. It has a dark background with white text. At the top, it says 'STARLINK' and 'Enable Bypass Mode?'. Below this is a paragraph: 'Bypass mode will completely disable the built-in Starlink WiFi router functionality. An Ethernet Adapter is required to use this feature. A manual factory reset is required to reverse this setting.' At the bottom is a 'CONFIRM' button.

- When you see the “Goodbye” message, you can close your browser.

Figure 17: Goodbye Message



The image shows the Starlink 'Goodbye' message screen. It has a dark background with white text. At the top, it says 'STARLINK'. Below this is the text 'Enabling Bypass Mode now.' and 'Goodbye' with a hand icon.

Step 2: Connect the Starlink to the KVH Antenna System

- Unplug the Starlink’s power supply to disconnect power from the Starlink system.
- Using a Cat5E or better Ethernet cable, connect the Starlink antenna’s 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 number for your particular configuration.

IMPORTANT!

The 15 m (49.2 ft) Mini Starlink Ethernet cable (KVH part no. 19-1271-08) should be used to connect to the Ethernet port on the Starlink antenna. The antenna end of this cable is terminated with a special RJ45 connector that mates with the antenna’s recessed Ethernet port, providing a waterproof seal. Any other cable type will compromise the antenna’s IP67 rating.

Figure 18: Starlink Ethernet Port

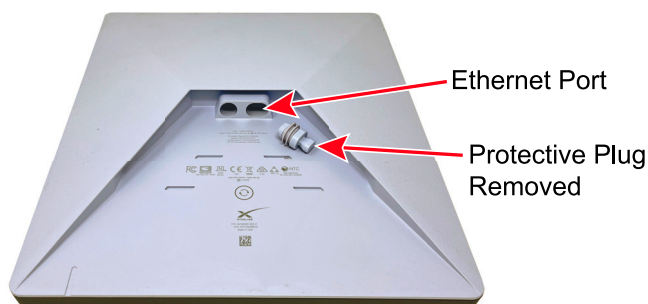
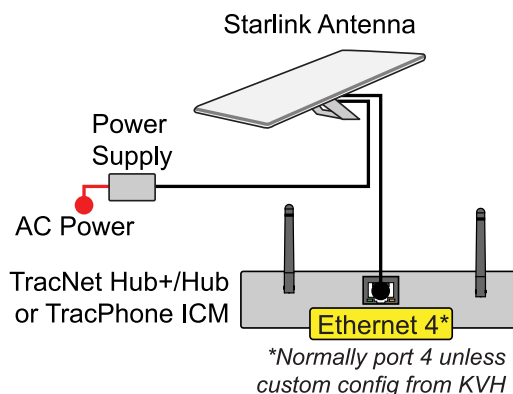


Figure 19: Starlink Mini Connection Diagram



- Reconnect the Starlink’s power supply.

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 or 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

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 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" – the preferred connection. In automatic mode, the TracNet system will use the Starlink connection whenever it is available for use.