RHINO D2

A 5G RedCap portable dongle made for enterprise

USER MANUAL

Table of Contents

Overview

Congratulations on your purchase of the RHINO D2 Dongle.

This manual will guide you in using your RHINO D2 Dongle effectively. We recommend reading the included Quick Start Guide for additional safety information.

NOTE: Screenshots, icons, labels, and visuals are simplified for illustrative purposes only. They may vary slightly from your device.

Getting Started

The RHINO D2 Dongle provides a portable internet connection, enabling you to access applications remotely. You can now upload and download data quickly from any location.

Compatible devices include laptops, tablets, e-readers, gaming consoles, and other Wi-Fi enabled devices, connecting one device at a time.

System Requirements

The RHINO D2 Dongle is:

1. Compatible with all major operating systems.
2. Works with the latest versions of browsers such as Google Chrome®, Firefox®, Internet Explorer® (IE10 or above), Safari™, Mobile Safari™, and Microsoft Edge.

NOTE: Make sure your other Wi-Fi enabled devices have compatible browsers installed and have active network carrier services.
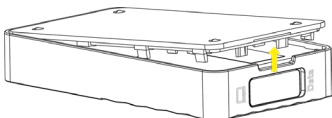
Getting to Know Your Device

LED Indicator

USB Type-C Port

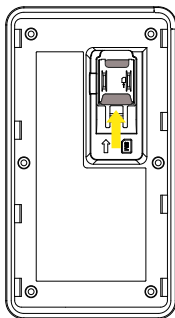USB Type-C Pass Through Power Delivery Port
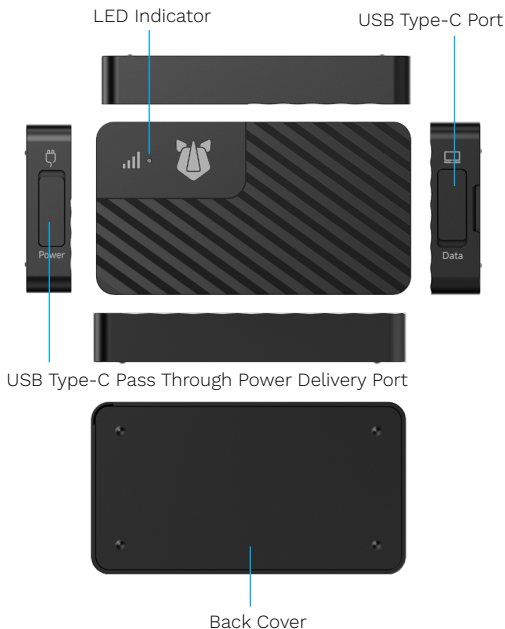
Back Cover

Getting Started

Install the SIM card

1. Place the tip of your finger into the small slot at the center of the back cover. Gently lift to remove the cover.

2. Insert a new SIM card into the slot and slide it to lock in place.

3. Reattach the back cover.

Caution: Do not bend or scratch your SIM card. Avoid exposing your SIM card to static electricity, water, or dirt.

Access the Internet

USB Type-C cable (For Data ⌨): Connect the RHINO D2 Dongle to your Wi-Fi enabled device using the USB Type-C port to access the Internet.

USB Type-C Pass-Through Power Delivery (PD) Port (For Charging 🔌): The RHINO D2 Dongle utilizes Power Delivery (PD) specifications to intelligently route power.

Follow the steps to connect the RHINO D2 Dongle to your host device:

1. Connect the USB Type-C cable ⌨ provided to a USB Type-C port on the host device (your laptops, tablets, e-readers, gaming consoles, and other devices) to access the internet.
2. If you need to power the host device, connect your external USB-C power adapter to the RHINO D2 Dongle's USB Type-C (PD) port 🔌to charge your device.

Note: For charging to function, the host device's USB-C port must support the USB Power Delivery protocol (PD). The power delivered to the host device will be less than the charger's rated output due to power reservation by the RHINO D2 Dongle.

LED Indicator Status:

- Blue: 5G connection established
- Green: 4G connection established
- Red: No connection
- Red (Blinking): Firmware update in progress

Caution: It is recommended that you use only the USB Type-C cable and adapter that are included with your RHINO D2 Dongle to get optimum performance and safety.

To ensure proper operation and prevent damage, this product must be connected to a USB port version 2.0 or higher. Connecting to older USB versions is not supported and may result in malfunction or damage.

Logging on to the Device Management Website

You can change the RHINO D2 Dongle settings by logging in to the Device Configuration web page.
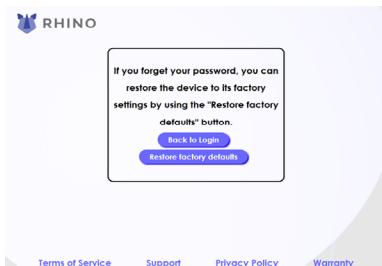
1. Launch the Internet browser. Enter the Device Manager Website IP address **http://192.168.1.1** in the addres bar.
2. Enter the Password and click **Sign In**.
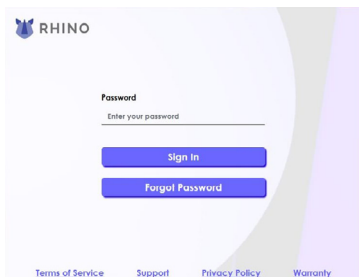
3. After the Device Configuration web page is opened, you can change the default settings.

NOTE: If this is your first time logging onto the website, you will need to set your own login password. The Password length should be between 6 and 15 characters.

If you forget your password, you can restore the device to its factory settings by using the "Restore factory defaults" button.

Back to Login

Restore factory defaults

Terms of Service   Support   Privacy Policy   Warranty

Logging out of the Device Management Website

1. From the home page, click **Sign out** in the upper right corner.
2. The Sign Out window is displayed as shown below:

Sign Out

Are you sure you want to sign out?

Cancel   OK
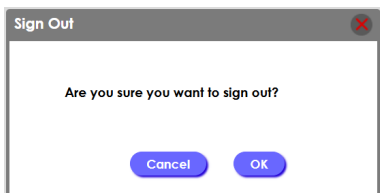
3. Tap **OK** to sign out
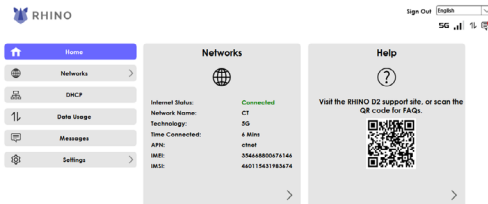
The Device Management Website UI Home Screen

The Home page allows you to quickly access commonly used links and all available menu options for your RHINO D2.

Home

The Home screen is the default screen that is displayed on the WebUI.

Wi-Fi: This section allows you to view Wi-Fi status, name, and password.

Networks: This section displays the cellular connection status, network name, technology, and connection duration.

		Networks	Help
🏠	**Home**		
🌐	**Networks** >		
🖥	**DHCP**	Internet Status: **Connected**	Visit the RHINO D2 support site, or scan the QR code for FAQs.
⇅	**Data Usage**	Network Name: **CT**	
💬	**Messages**	Technology: **5G**	
⚙️	**Settings** >	Time Connected: **6 Mins**	

Sign Out English

Internet Status: **Connected**
Network Name: **CT**
Technology: **5G**
Time Connected: **6 Mins**
APN: **ctnet**
IMEI: **354668800676146**
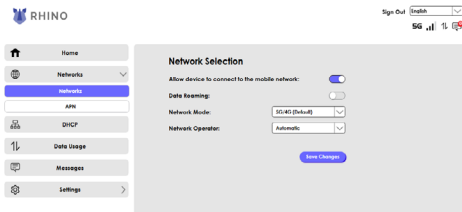IMSI: **460115431985674**

RHINO

Connected Devices: This section lists all devices currently connected to the RHINO D2's Wi-Fi.

Help: This section provides a QR code and link to the RHINO D2 support site for FAQs and assistance.
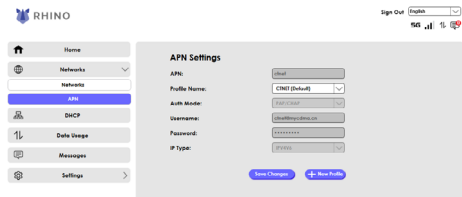
Networks

Settings Networks

This screen allows you to change the network settings. These changes may affect the RHINO D2's connection.

Checking Access Point Names

You can use the default Access Point Names (APNs) to connect to the Internet.

Dynamic Host Configuration Protocol (DHCP)

The Dynamic Host Configuration Protocol information is

displayed as shown below.

1. Dynamic Host Configuration Protocol (DHCP): Select this option to enable DHCP-specific settings for your RHINO D2.
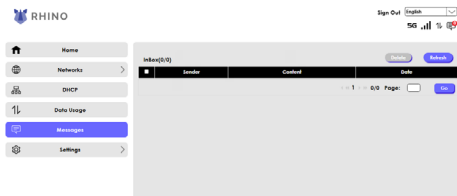2. IP address: Check the device's IP address.

Data Usage

Check and manage the RHINO D2's data use. The Data Usage section shows how much of your monthly data you have used and how much time remains until your next billing cycle.
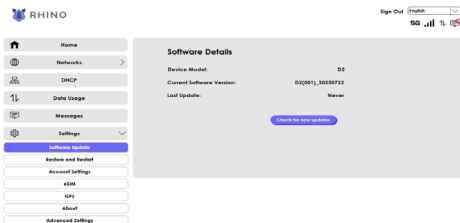
Messages

This screen displays a list of all SMS messages sent from mobile devices to the device's MDN (Mobile Directory Number).

Settings

Software Update

This screen displays the current software and hardware versions. Tap **Check for new updates** to obtain the latest software updates, if available.

Restore and Restart

This screen allows you to remotely restore and reset the mobile hotspot.
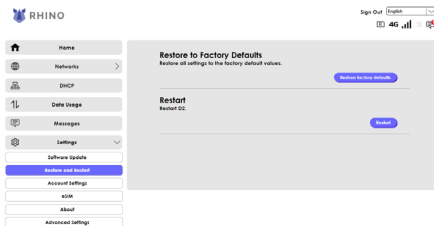
- Tap **Restore Factory Defaults** to restore the original factory settings to the device.
- Tap **Restart** to restart the device.

Account Settings

This screen allows you to manage your accounts. You can change the password to adjust its settings.
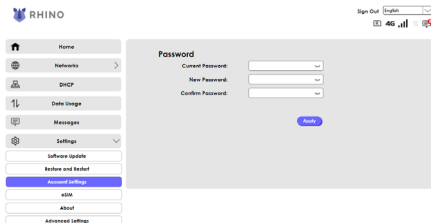
eSIM

This screen allows you to download eSIM and shows you the list of installed eSIMs.

To download an eSIM profile, turn on Data Roaming. Navigate to Networks and toggle **Data Roaming** on.
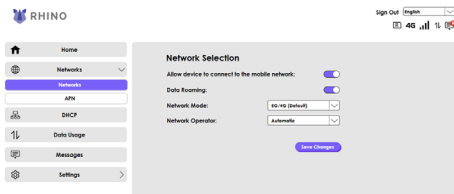
Next, access the eSIM menu, select **Download**, and input the carrier-provided LPA string.
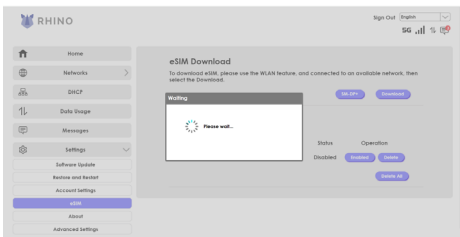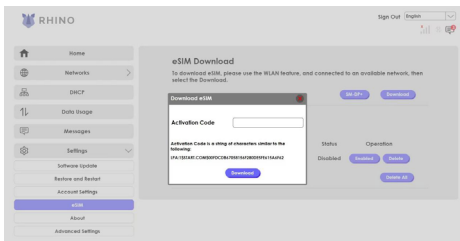
Note: The installation may take moments depending on network conditions. Do not turn off the device during installation.
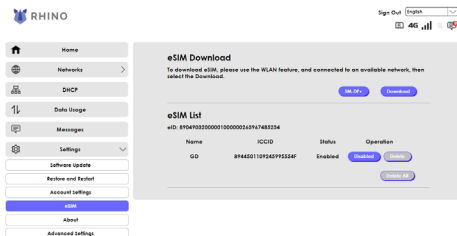
Viewing Installed eSIM

The eSIM List view displays the list of all installed eSIM profiles.

- Tap **Enabled** or **Disabled** to change the active status of the selected eSIM.
- Use this list to check which eSIM profiles are available and their current status.

Deleting eSIM
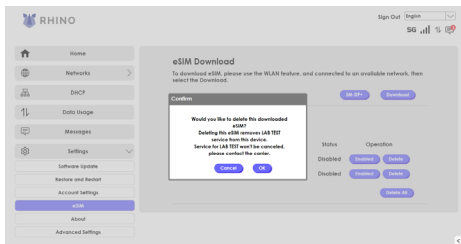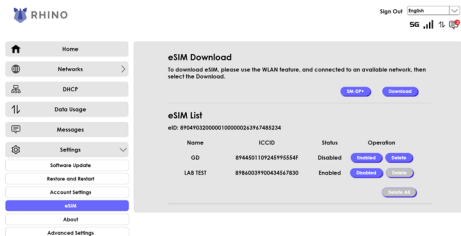
- Select the desired eSIM profile from the displayed list. Tap **Delete** to remove only that specific profile.
- To delete all eSIM profiles, tap **Delete All**. Confirm the action to permanently remove all eSIM profiles from the device.

About

This screen displays RHINO D2 information such as model, software and hardware versions, IMEI, IMSI, MAC address, mobile number, ICCID, and RF parameters (signal strength, quality, noise ratio, and cell ID).
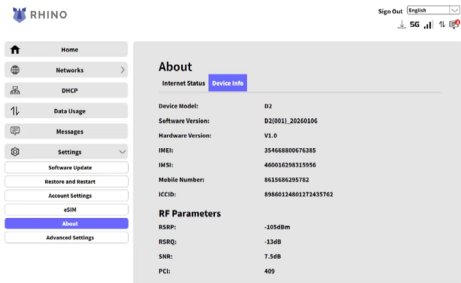
Advanced Settings

Tap **Advanced Settings** to access and adjust the following options:

- **DNS:** Manually configure DNS settings.
- **SIM:** Manage the SIM card's PIN.

NOTE: Before adjusting settings on other tabs, you must first enable IP filtering and port filtering here.

Troubleshooting

1. **Unable to access the device configuration page.**
   - Make sure the correct IP address is entered in the browser.
   - Use only one active network adapter on your PC.
   - Disable any proxy server settings before accessing the page.

2. **The RHINO D2 Dongle connected to the device cannot access the Internet.**
   - Ensure that the Wi-Fi function on your host device is enabled.
   - Ensure that your SIM card is installed correctly and activated on the cellular network.
   - Move to a location with a stronger signal.
   - Open the back cover and press the Reset button to reset the RHINO D2.
   - Contact your service provider to confirm your APN settings.

3. **The connection between your RHINO D2 Dongle and other device using a USB Type-C cable cannot be established automatically.**
   - Enter the correct IP address.
   - Use only one network adapter in your PC.
   - Do not use any proxy server.
   - If the device driver is not functioning properly, uninstall the existing software and reinstall it.

FCC RF Exposure Information (SAR)

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States.

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage near the body with the separation of 15 mm. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value.

This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

This device complies with SAR for general population/ uncontrolled exposure limits in ANSI/IEEE C95.1-2019 and has been tested in accordance with the measurement methods and procedures specified in IEEE 1528.

The FCC has granted an Equipment Authorization for

this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: 2AUOUD2.

For this device, the highest reported SAR value for usage near the body is ** W/kg.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirements.

SAR compliance for body-worn operation is based on maintaining a separation distance of 5 mm between the device and the human body. Carry this device at least 5 mm away from your body to ensure RF exposure level is at or below the reported level. To support body-worn operation, choose the belt clips or holsters, which do not contain metallic components, to maintain a separation of 5 mm between this device and your body.

RF exposure compliance with any body-worn accessory, which contains metal, was not tested and certified, and using such a body-worn accessory should be avoided.

FCC Compliance

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the User's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Federal Communication Commission (FCC) Radiation Exposure Statement.

When using the product, maintain a distance of 10 mm from the body to ensure compliance with RF exposure requirements.

NOTE: Operations in the 5.15 - 5.25GHz band are restricted to indoor usage only.

RHINO warranty

All RHINO devices benefit from a 12-month limited warranty covering defects in materials and workmanship. The warranty applies from the date of purchase and can be claimed against with any valid proof of purchase providing the defective unit is complete and undamaged.

To check the warranty status of your device, use our warranty check service. To initiate a warranty return, please visit Support for further guidance.

For more information, visit https://kb.rhinomobility.com/support/rhino-warranty

Manufacturer Information

Rhino Mobility LLC
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