



RHINO D2

A 5G RedCap portable dongle made for enterprise

USER MANUAL

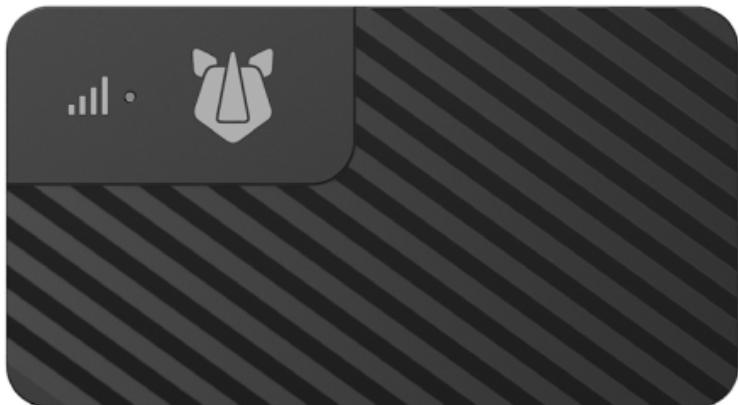


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Overview

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.

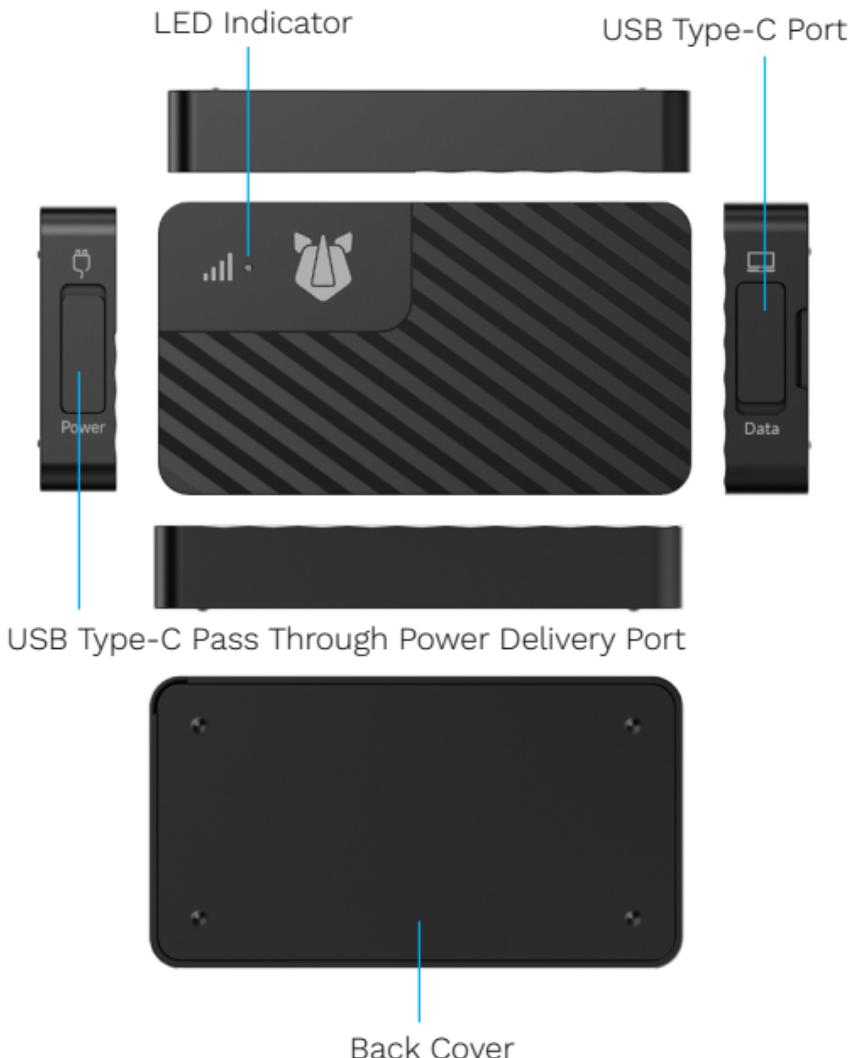
System Requirements

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.

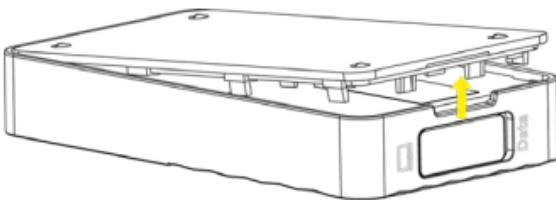
Getting to Know Your Device



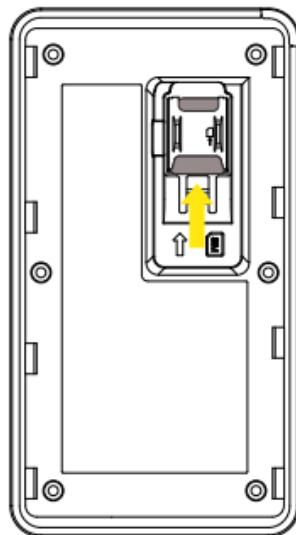
Getting Started

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

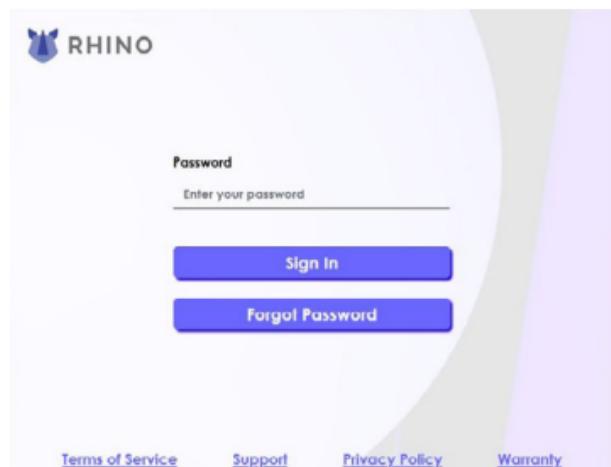
Caution: It is recommended that you use only the USB Type-C cable and adapter that are included with your RHINO D2 Dongle to get optimum performance and safety.

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 address 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](#)

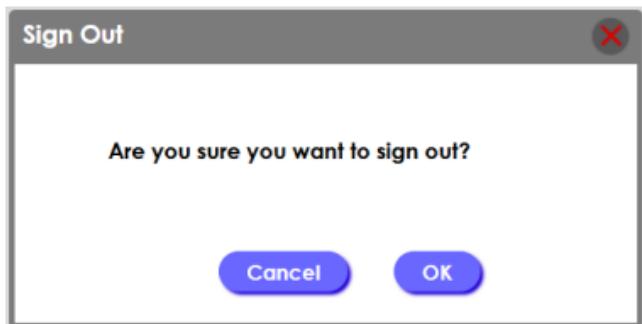
[Support](#)

[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:



3. Tap **OK** to sign out

The Device Management Website UI Home Screen

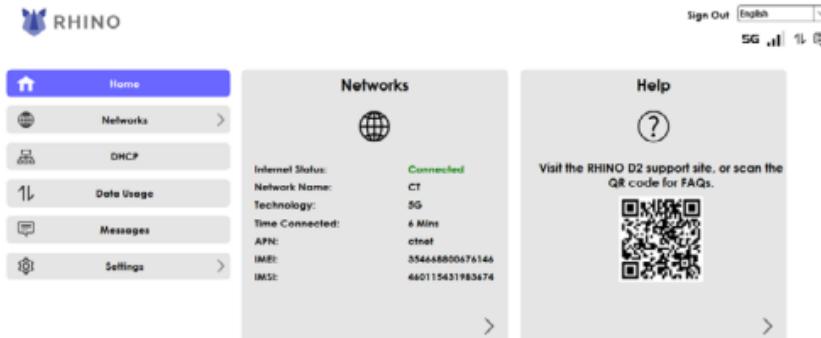
The Home page allows you to quickly access commonly used links and all available menu options for your RHINO D2.

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.



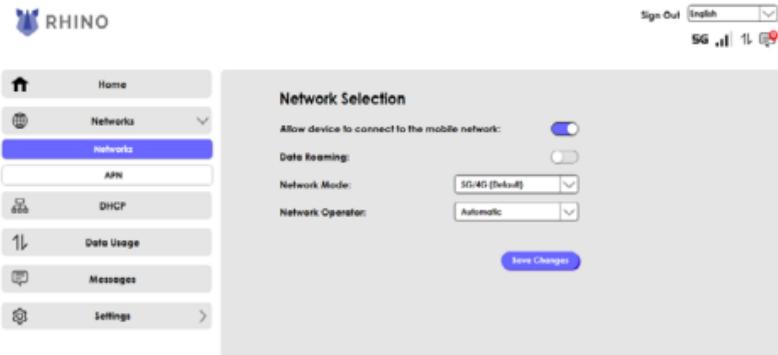
Connected Devices: This section lists all devices currently connected to the RHINO D2's Wi-Fi.

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.



Sign Out English 5G 1%

Home Networks > DHCP Data Usage Messages Settings >

IPV4

DHCP server:

IP address: 192.168.1.1

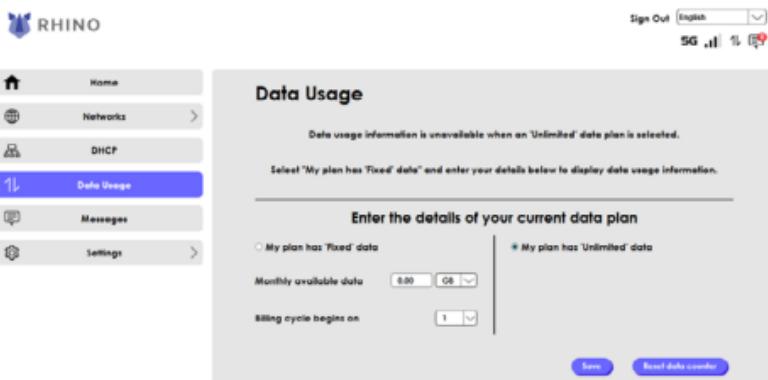
DHCP IP range: 192.168.1.100 to 192.168.1.200

DHCP lease time: 1440 Minutes

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.



Sign Out English 5G 1%

Home Networks > DHCP Data Usage Messages Settings >

Data Usage

Data usage information is unavailable when an 'Unlimited' data plan is selected.

Select 'My plan has 'Fixed' data' and enter your details below to display data usage information.

Enter the details of your current data plan

My plan has 'Fixed' data My plan has 'Unlimited' data

Monthly available data: 0.00 GB

Billing cycle begins on: 1

Messages

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



Settings

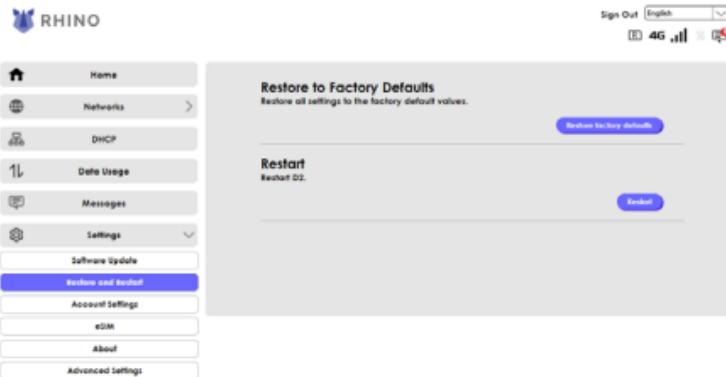
Software Update

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.



The screenshot shows the RHINO mobile hotspot's user interface. On the left is a sidebar with the following menu items:

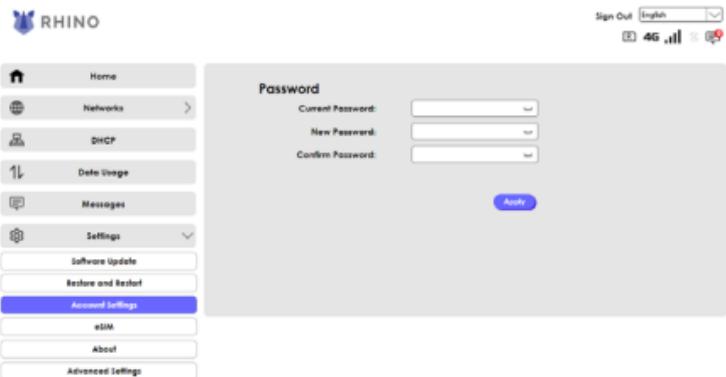
- Home
- Networks
- DHCP
- Data Usage
- Messages
- Settings
 - Software Update
 - Restore and Restart
 - Account Settings
 - eSIM
 - About
 - Advanced Settings

The "Restore and Restart" item is highlighted with a blue background. The main content area is titled "Restore to Factory Defaults" with the sub-instruction "Restore all settings to the factory default values." It contains two buttons: "Restore Factory Defaults" (blue) and "Restart" (grey).

- 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.



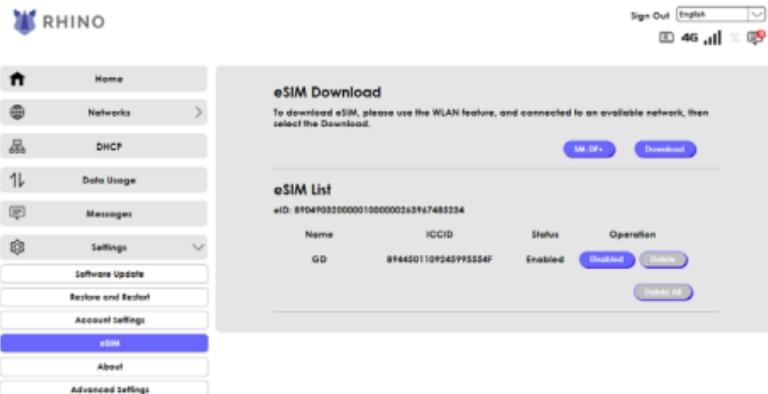
The screenshot shows the RHINO mobile hotspot's user interface. On the left is a sidebar with the following menu items:

- Home
- Networks
- DHCP
- Data Usage
- Messages
- Settings
 - Software Update
 - Restore and Restart
 - Account Settings
 - eSIM
 - About
 - Advanced Settings

The "Account Settings" item is highlighted with a blue background. The main content area is titled "Password" and contains three input fields: "Current Password", "New Password", and "Confirm Password". Below these fields is an "Apply" button.

eSIM

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



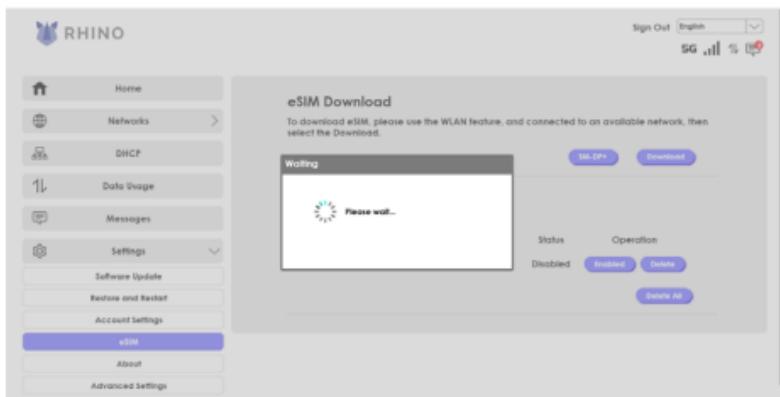
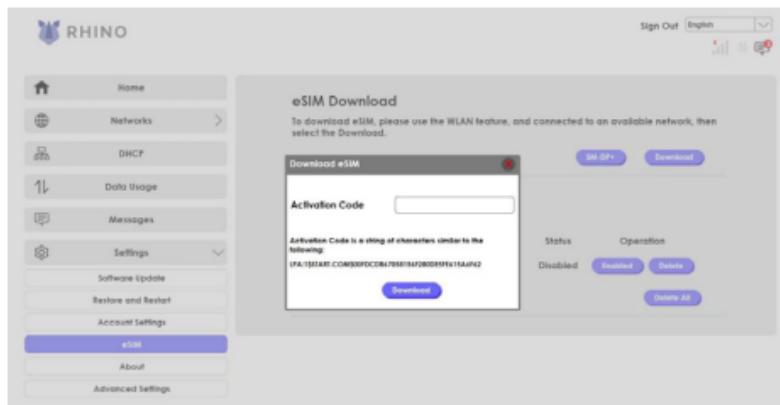
The screenshot shows the RHINO mobile application interface. On the left is a sidebar with the following menu items: Home, Networks (selected), DHCP, Data Usage, Messages, Settings (with a dropdown arrow), Software Update, Restore and Reset, Account Settings, eSIM (selected), About, and Advanced Settings. The main content area has a header "eSIM Download" with the sub-instruction "To download eSIM, please use the WLAN feature, and connected to an available network, then select the Download." Below this is a "eSIM List" section with a table. The table has columns: Name, ICCID, Status, and Operation. One row is shown: Name "GD", ICCID "894450110924299554F", Status "Enabled", and Operation buttons for "Disable" and "Delete". A "Delete All" button is also present at the bottom of the list.

To download an eSIM profile, turn on Data Roaming. Navigate to Networks and toggle **Data Roaming** on.



The screenshot shows the RHINO mobile application interface. On the left is a sidebar with the following menu items: Home, Networks (selected), APN, DHCP, Data Usage, Messages, and Settings (with a dropdown arrow). The main content area has a header "Network Selection" with the sub-instruction "Allow device to connect to the mobile network: ". Below this are "Data Roaming: ", "Network Mode: 4G/4G (Default)", and "Network Operator: Automatic". A "Save Changes" button is located at the bottom right.

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

The screenshot shows the RHINO mobile application interface. The left sidebar menu includes: Home, Networks, DHCP, Data Usage, Messages, Settings (with Software Update, Restore and Restart, Account Settings, eSIM, About, Advanced Settings), and a bottom section for eSIM. The eSIM section is highlighted with a blue background. The main content area is titled "eSIM Download" with the sub-section "eSIM List". It displays two eSIM profiles:

Name	ICCID	Status	Operation
GD	8944501109245995554F	Disabled	Enabled Delete
LAB TEST	89860039900434567830	Enabled	Disabled Delete

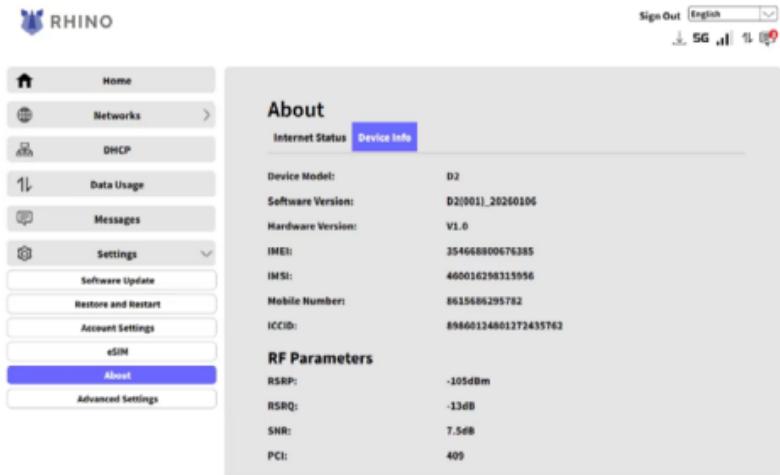
At the bottom right of the main content area is a "Delete All" button.

The screenshot shows the RHINO mobile application interface. The left sidebar menu is identical to the previous screenshot. The main content area is titled "eSIM Download" with the sub-section "eSIM List". A confirmation dialog box is overlaid on the screen, asking "Would you like to delete this downloaded eSIM?". The dialog box contains the following text: "Deleting this eSIM removes LAB TEST service from this device. Service for LAB TEST will be canceled, please contact the carrier." It includes "Cancel" and "OK" buttons. The main content area below the dialog shows the eSIM list with the same two profiles as before. The "Delete All" button is also visible.

- 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).



The screenshot shows the 'About' screen of the RHINO D2 device. The left sidebar has a 'About' button highlighted in blue. The right panel shows the following information:

About	
Internet Status	Device Info
Device Model:	D2
Software Version:	D2(001)_20260106
Hardware Version:	V1.0
IMEI:	354668800676385
IMSI:	460016298315956
Mobile Number:	8615666295782
ICCID:	89660134401272435763
RF Parameters	
RSRP:	-105dBm
RSRQ:	-13dB
SNR:	7.5dB
PCI:	409

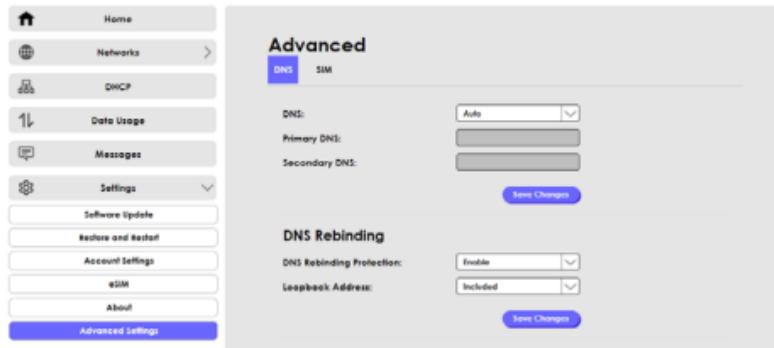
Advanced Settings

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

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



Sign Out English
4G



Advanced

DNS **SIM**

DNS:

Primary DNS:

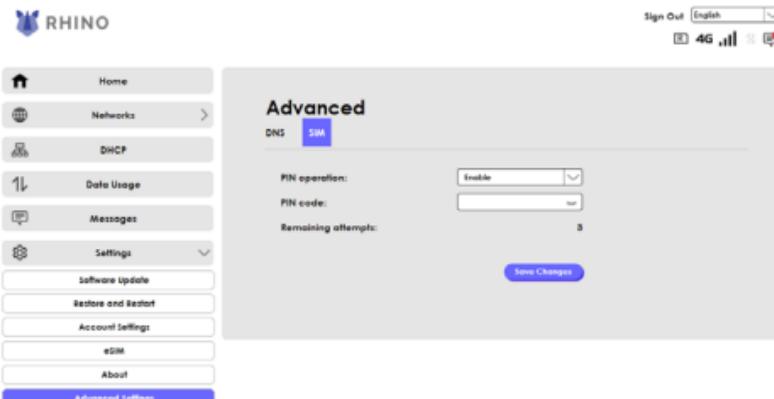
Secondary DNS:

DNS Rebinding

DNS Rebinding Protection:

Loopback Address:

Home Networks DHCP Data Usage Messages Settings Software Update Restore and Restart Account Settings eSIM About Advanced Settings



Advanced

DNS **SIM**

PIN operation:

PIN code:

Remaining attempts: 3

Home Networks DHCP Data Usage Messages Settings Software Update Restore and Restart Account Settings eSIM About Advanced Settings

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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