RHINO T80

User Manual

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Getting Started

Inserting a SIM Card

1. Turn off device.
2. Into the small hole on the device's left edge, insert the SIM ejection tool.
3. Firmly but gently push until the tray pops out.
4. Remove the tray and put the nano SIM card in the tray.
5. Gently push the tray back into its slot.

Set Up eSIM

1. Open the Settings app. Then, tap **Network & internet**.
2. Tap **SIMs**.
3. Tap **Download a SIM instead?**
4. Tap **Next** and follow the steps.

Inserting a MicroSD Card

1. Pull out the card holder on the left side of the device.
2. Put the microSD card into the microSD card slot of the card tray, and then push the card tray into the device.

How to Use Dual SIMs

You can utilize two SIMs—a physical SIM card and an eSIM—choosing which SIM to employ for specific actions such as messaging or calling through the Dual SIM Dual Standby (DSDS) feature.

Change Dual SIM Preferences

You can choose which SIM your device uses for data, calls, text messages, and more. Your device uses that SIM automatically.

Set default SIM for data, calls, and text messages

1. Open your Settings app.
2. Tap **Network & internet** and then **SIMs** and then your network.
3. For each network, set your preferences:
4. **Data**: Turn on **Mobile data**.
   Important: Only one SIM can be the default for data. If you already have one set up, you'll get a notification.
5. **Calls**: Tap **Call Preference**. Then pick your default carriers, or tap **Ask me every time**.

6. **Texts**: Tap **SMS Preference**. Then pick your default carriers, or tap **Ask me every time**.

Use a different SIM during calls

Calls: If you're on a call, you can't get a call through the other SIM at the same time. Calls to the other SIM will go to voicemail.

Data: Most data goes through the default SIM for that use type. Exception: During a call, all data goes through the SIM making the call.

To use data during calls on a SIM not normally used for data:

1. Open your Settings app.
2. Tap **Network & internet** and then **SIMs**.
3. Turn on **Data during calls**.

Some combinations of SIM networks don't work well together. If you see a notification that says "Voice unavailable" or "Voice interruptions," the networks on your two SIMs are having trouble working together. To get help, contact your mobile carrier.

Set Up Hotspot

1. Open your device's Settings app.
2. Tap **Network and Internet** and then **Hotspot and tethering** and then **Wi-Fi hotspot**.
3. Turn on **Wi-Fi hotspot**.
4. On the other device, open that device's list of Wi-Fi options.
5. Pick your device's hotspot name.
6. Enter your device's hotspot password.
7. Click **Connect**.
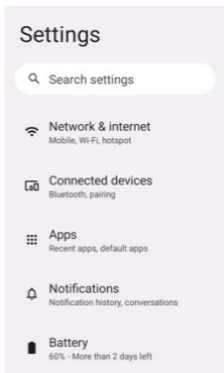
Connect to Bluetooth

1. Open your device's Settings app.
2. Tap **Connected devices** and then **Connection preferences** and then **Bluetooth**.
3. Make sure that **Bluetooth** is turned on.
4. In the list of paired devices, tap a paired but unconnected device.

5. When your device and the Bluetooth device are connected, the device shows as 'Connected'.

Turning Device On/Off

To turn on device

Press and hold the power key for a few seconds until you see the RHINO welcome screen.

To turn off device

1. Press and hold the power key and volume up.
2. Select **Power Off**.

Unlocking the Screen

The screen is locked by default when you turn on the device. To unlock the screen:

1. Press the power key.
2. Place finger on center of screen and swipe up.
3. If you previously set up an unlock security option, draw a pattern, use your fingerprint, or enter PIN.

Locking the Screen

To lock the screen, press the power key.

Note: It is recommended to lock the screen to protect your information and reduce battery usage. You can set up your device to automatically lock after a certain period.

To do so, press finger on bottom-center of screen, and swipe up to open All Apps. Tap **Settings** → **Display** → **Screen timeout**.

Connect to VPN

Add a saved network

1. Get your VPN information from your administrator.
2. Open your device's Settings app.
3. Tap **Network and Internet** and then VPN.
4. At the top right, tap **Add**.
5. Enter the information from your administrator.
6. Tap **Save**.

Connect

1. Open your device's Settings app.
2. Tap **Network and Internet** and then **VPN**.

3. Tap the VPN that you want.
4. Enter your username and password.
5. Tap **Connect**.
6. If you use a VPN app, the app opens.

Make a Call

1. Open your device's Phone app.
2. Pick who to call.
3. To enter a number, tap **Dial** pad.
4. To pick a saved contact, tap **Contacts**.
5. To pick from numbers that you've recently called, tap **Recents**.
6. To pick from contacts saved to Favorites, tap **Favorites Speed Dial**.
7. Tap Call.

When you've finished with the call, tap **End call** button. If your call is minimized, drag the call bubble to the bottom right of the screen.

Make an Emergency Call

If you're in an emergency situation, you can use your device to start emergency actions like calling for help, sharing your

location with your emergency contacts, and recording video.

1. On your device, press the power button 5 times or more.
2. Depending on your settings, touch and hold inside the red circle for 3 seconds or wait for the automatic countdown to start the emergency call.
3. After you start an emergency call, other emergency actions begin based on your settings.

Send a Message

1. Open **Settings**.
2. Click **Apps**.
3. In the list of apps, click **Messages** and then **SMS** and then **Messages**.

Use the Camera App

Open the Google Camera app

You can open your camera in several ways:

1. Tap your device's Camera app.
2. Double-press your device's Power button.

Close the Google Camera app

From the Camera app:

1. Swipe up from the bottom, hold, then let go.
2. Then swipe up on the app.

Update Software

Android updates

1. Open your device's Settings app.
2. Tap **System** and then **System update**.
3. You'll find your update status. Follow any steps on the screen.

Security updates and Google Play updates

1. Open your device's Settings app.
2. Tap **Security & privacy**.
3. To check if a security update is available, tap **Google Security Checkup**.
4. To check if a Google Play system update is available, tap **Updates** and then **Google Play system update**.
5. Follow any steps on the screen.

Back Up or Restore Data

You can back up content, data, and settings from your device to your Google Account. You can restore your backed up information to the original device or to some other Android devices. You can't use back up when you set up a personal device with a work profile or for work only, or when you set up a company-owned device.

Manually back up data & settings

1. Open your device's Settings app.
2. Tap **Google** and then **Backup**.
3. Tap **Back up now**.

Get your data onto a new device

When you add your Google Account to a device that's been set up, what you'd previously backed up for that Google Account gets put onto the device.

To restore a backed-up account to a reset device, follow the on-screen steps.

Important: You can't restore a backup from a higher Android version onto a device running a lower Android version.

Reset Your Device

To remove all data from your device, you can reset your device to factory settings.

1. Open your device's Settings app.
2. Tap **System** and then **Reset options** and then **Erase all data (factory reset)**.
3. To erase all data from your device's internal storage, tap **Erase all data**.
4. If needed, your device asks for your PIN. Enter your PIN and then tap **Erase all data**.
5. When your device finishes the reset, pick the option to restart.

Using the Touch Screen

All functions of the device, except for power and volume, are performed on the touch screen. The following finger actions may help you easily understand how to use the touch screen.

- **Tap:** With your finger, touch an item (i.e. application or widget) to run it, or access a menu or option.
- **Double tap:** Tap an item twice with your finger.
- **Drag:** Tap and hold your finger on an item, then slide it without losing contact with the screen.
- **Swipe**: Place your finger on an empty space of the screen and move the screen up or down or left or right.
- **Pinch:** Place two fingers on the screen and move them apart to zoom into a picture, document, or webpage; or move them together to zoom out.
- **Select and tap:** Tap an item in the list of options available.
- **Press and hold:** Press a key or any item for a few seconds until a list of options appears.

Caution

- Do not use sharp tools that can scratch the touch screen.

Key Functions

Back   Home   Recent apps
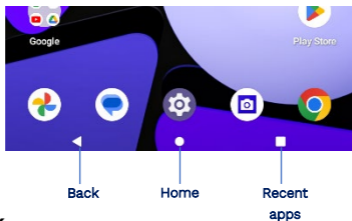
Back Key

Tap to return to the previous screen and exit the running application.

Tap to close the on-screen keyboard in text input mode.

Home Key

Tap to return to the main screen.

Tap and hold to open the Google search.

Recent Apps Key

Tap to open the applications list used recently.

Screen Orientation

For optimal viewing experience, the screen orientation changes automatically depending on how you hold the device.

Note: To enable or disable auto-rotate, place finger on top-center of screen, and slide down to view Status and Notification panel, then tap the Auto-rotate icon.

Status Bar

The Status bar at the top of the screen includes notifications from various apps, current time, and the states of various items such as battery status, Wi-Fi status, Signal status, and more.
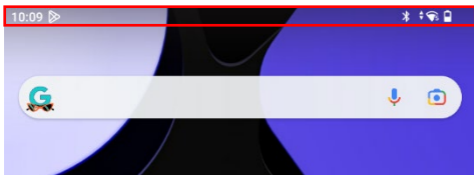
Status and Notification Panel

The Status panel displays icons to show the current state of your device, such as battery charging progress, alarms, Bluetooth, and more. The Notification panel displays notifications to inform you of new email, messages, and more.

To view both panels, place finger on top-center of screen, and slide down, then tap an icon to view details.

Connecting to the Internet Using Wi-Fi

1. Press finger on bottom-center of screen and swipe up to open All Apps.
2. Tap **Settings** → **Network & internet** → **Internet** → **Wi-Fi**.
3. Drag the slider to the **On** position.
4. Device will scan for Wi-Fi networks in range.
5. Tap the network you want to connect to.
6. Type a password (if connecting to a secure network).
7. Tap **Connect** to connect to the selected Wi-Fi network.

Note: The range and quality of the Wi-Fi signal is affected by the distance between the device and the wireless router,

the number of connected devices, infrastructure, and objects through which the signal is transmitted.

Connecting to the Internet Using Mobile Broadband

1. Press finger on bottom-center of screen and swipe up to open All Apps.
2. Tap **Settings** → **Network & internet** → **Internet** → **Wi-Fi**.
3. Drag the slider to the Off position.
4. The device will search for the carrier signal and connect to the network. When the device is connected to a mobile broadband network, the network type appears in the status bar.

Note: On the LTE/HSPA+ models, if both Wi-Fi and mobile broadband networks are available, the device gives priority to Wi-Fi connection.

Device Maintenance/Safety

The following list shows how to maintain your device, together with precautions to take.

- Keep your device and its accessories out of the reach of pets.
- If children use the device, make sure that they use it properly.
- Maintain your device in dry conditions and keep it within normal operating temperatures.
- Do not try to dry your device in a microwave oven. If you do, sparks can occur and cause an explosion or fire.
- Do not use or store your device in dusty, dirty, or wet areas.
- Do not attempt to disassemble your device.
- Do not drop or cause severe impact to your device.
- Do not sit on or apply pressure to device.
- Do not use chemical products, cleaning solvents or detergents to clean your device.
- Use only authorized batteries, battery chargers and accessories. Any malfunction or damage caused by the use of unauthorized batteries, battery chargers

and accessories will void the limited product warranty. Ensure that the battery charger does not come in contact with conductive objects.

- The battery is not fully charged when you take it out of the box. Do not remove the battery pack when the device is charging.

Battery Warning

This device has a non-removable battery. Do not attempt to remove the battery or try to disassemble the device as this could result in personal injury.

Regulatory Information

CE Statement

1. The adapter shall be installed near the equipment and shall be easily accessible.
2. Do not use the device in the environment at too high or too low temperature, never expose the device under strong sunshine or too wet environment. The operating temperature for the product is 0℃ to 40℃.
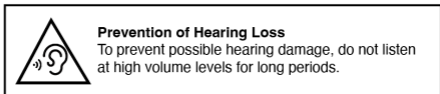
3. Caution risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
4. The SAR limit of Europe is 2.0 W/kg. This device was tested for typical body-worn operations with the 0mm distance from the body and it complies with RF exposure requirements.
5. RF Frequency and power

WWAN	
Frequency Band	Maximum output power(dBm)
WCDMA Band I	24.00
LTE Band 1	24.00
LTE Band 3	24.00
LTE Band 7	22.00
LTE Band 20	24.50

WLAN		
Standard	Frequency	EIRP Power(dBm)
WIFI 2.4G	2.4~2.4835GHz	19.09
WIFI 5G	5.15~5.25GHz	14.94
	5.25~5.35GHz	15.60
	5.47~5.725GHz	16.03
	5.725~5.825GHz	13.26

BLUETOOTH	
Bluetooth Version	EIRP Power(dBm)
EDR	17.04
LE	9.97

NFC		
Frequency	13.56MHz	1.74 dBµA/m at 10m

6. The Wi-Fi function is restricted to indoor use only when operating in the 5150 MHz to 5350 MHz frequency range.

	BE	BG	CZ	DK	DE	EE	IE
	EL	ES	HR	IT	CY	LV	LT
	LU	HU	MT	NL	AT	PL	PT
	RO	SI	SK	FI	SE	UK(NI)	

7. Prevention of Hearing Loss

Prevention of Hearing Loss
To prevent possible hearing damage, do not listen at high volume levels for long periods.

Manufacturer Information

Rhino Mobility LLC

8 The Green, Suite A, Dover, Delaware, 19901, USA

EU and UKCA Regulatory Conformance

Hereby, Rhino Mobility LLC declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU and Radio Equipment Regulations 2017.

For the declaration of conformity, visit the web site
support.rhinomobility.com/devices/t80

FCC Statement

FCC ID: 2AUOUT80

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.

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 of the following measures:

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

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

This device meets the government's requirements for exposure to radio waves.

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 U.S. Government.

The exposure standard for a wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions (0mm) accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

For Country Code Selection Usage (Wi-Fi Devices)

Note: The country code selection is for non-US models only and is not available to all US models. Per FCC regulation, all Wi-Fi products marketed in US must fixed to US operation channels only.

IC Statement

IC: 27356-T80

CAN ICES-003(B)/NMB-003(B)

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions: This device may not cause interference, and this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada RSS exemptes de licence standard(s).

Son fonctionnement est soumis aux deux conditions suivantes:

(1) cet appareil ne peut pas provoquer d'interférences, et

(2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the IC is 1.6W/kg. Tests for SAR are conducted using standard operating positions (0mm) accepted by the IC with the device transmitting at its highest certified power level in all tested frequency bands.

Les normes d'exposition pour les appareils sans fil utilisent une unité de mesure appelée taux d'absorption spécifique (SAR). La limite SAR fixée par le circuit intégré est de 1.6 W/kg. Les tests SAR sont effectués en utilisant une position de travail standard (0 mm) reconnue par le circuit intégré et l'appareil transmet à son niveau de puissance certifié le plus élevé dans toutes les bandes de fréquences testées.

The device for operation in the band 5150-5350 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

L'équipement utilisé pour fonctionner dans la bande 5150 - 5350 MHz est destiné uniquement à un usage intérieur afin de réduire le risque de brouillage préjudiciable aux systèmes mobiles par satellite à canal identique.

IEEE 1725 Statement

1. Do not disassemble or open crush, bend or deform, puncture or shred.

2. Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.

3. Only use the battery with a charging system that has been qualified with the system per CTIA Certification Requirements for Battery System Compliance to IEEE 1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.

4. Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard. Only authorized service providers shall replace battery. (If the battery is non-user replaceable).

5. Promptly dispose of used batteries in accordance with local regulations.

6. Improper battery use may result in a fire, explosion, or

other hazard.

7. Do not replace an embedded battery pack. Improper replacement may present a risk of fire, explosion, leakage or other hazard. Contact the manufacturer for replacement instructions.
8. The device recognizes the battery via battery part number.
9. The phone shall only be connected to CTIA Certification certified adapters, products that bear the USB-IF logo or products that have completed the USB-IF compliance program.

Warranty Information

Please visit our website for details on warranty information.

support.rhinomobility.com/support/warranty

Customer Support

Before reaching out, please prepare the following information to ensure we can help you as quickly as possible:

- A detailed description of the issue you're facing
- Detailed steps to replicate the issue (if available)

- Images or video of the issue (if available)
- Logs from the device for software-based issues
- Device details
- Android version
- Model name
- Build number (software version) - Locate in **Settings** > **About** > **Build number**
- Serial number/IMEI
- Number of devices affected
- Period of time this issue has been present

Should you suffer from an obvious hardware issue (dead pixels, unusable ports, etc.), please state this clearly when raising an issue with the RHINO support team, as an RMA process will need to be initialized for in-warranty devices.

With all of the information above prepared, please submit a request to support@rhinomobility.com