Sonim® H700
5G Mobile Hotspot

User Guide

NOTE:

Device visuals are for general reference only. The physical product and screen illustrations in this user guide may differ in appearance and functionality, especially after any future software updates.

Welcome!

Welcome to your new Sonim H700 5G Mobile Hotspot (also referred to as a 'H700' throughout this user guide). This guide will help you set up and start using your device. You'll also learn everything there is to know about using the features of the H700, safety and handling, and more.

For quick and easy setup and warranty information, please refer to the Quick Start Guide that was bundled with your device.

What's in the box

The H700 package includes:
- Sonim H700 5G Mobile Hotspot
- 6000mAh Li-ion Battery
- AC Adapter
- USB-A to USB-C (3.0) Cable
- Battery Cover Lever Tool
- Quick Start Guide

NOTE: A SIM card is not included in the package and must be obtained separately from your carrier. For the H700 to support Internet access, your SIM must be activated.

Compatibility

- Compatible with Google Chrome®, Firefox®, Internet Explorer®, Safari™, and Mobile Safari™

- USB tethering compatible with Microsoft® Windows 7, 10 11 and MacOS® 10.7 (Lion) and later

NOTE: The H700 is compatible with USB 3.0 cables or higher. Please use the provided USB 3.0 cable for tethering and charging your device.

About Your H700

The H700 is a powerful, secure mobile hotspot equipped with everything you need to work, play, create, and communicate no matter where life takes you.

5G, 4G and 3G support

The H700 supports 5G (5GNR Sub 6GHz and mmWave) for exceptional data connectivity. It also provides reliable access with 4G and 3G, so you can stay connected no matter where your work takes you.

Wi-Fi 6E certified, Wi-Fi 7 ready

The H700 offers dual-band Wi-Fi 6E (2.4GHz and 5GHz/6GHz) and Wi-Fi 7 (5GHz/6GHz) connectivity, enabling faster speeds and reliable data access, even when multiple devices are connected. The H700 ensures smooth streaming, quicker downloads, and efficient online collaboration.

USB Type-C Charging Port and RJ45 Ethernet Port

The H700 can provide direct Internet connections to other devices via Ethernet or USB-C cables. Use an Ethernet cable for a stable, wired connection, ideal for setting up temporary conference rooms or trade show booths where reliable connectivity is crucial. The USB Type-C port offers versatility, doubling as a universal charging port (reverse charging) to give your external devices a power boost when needed.

NOTE: Ethernet cable can be purchased separately.

Security

The H700 supports multiple Wi-Fi security modes (WPA, WPA2, WPA3) to ensure device compatibility. Where possible, we recommend you use WPA3 for stronger encryption and peace of mind that your data connections are secure.

Getting to know your H700

1. External (TS-9) antenna ports
2. 2.5Gbps Ethernet port (RJ45)
3. USB Type-C port
4. Status LED
5. Display
6. Battery cover opening (thumb catch)
7. Battery (under battery cover)

8. SIM tray (under the battery)
9. Power button

A. Carrier information
B. Wi-Fi Devices list
C. Battery indicator
D. Menu
E. Wi-Fi Access Information

Device Iconography

Icon	Meaning
5G	Connected to the 5G cellular network
4G	Connected to the 4G cellular network
3G	Connected to the 3G cellular network
	Cellular network signal strength indicator
x	No cellular network available
	Connected devices (Wi-Fi)
	Wi-Fi indicator / Wi-Fi information
↓↑	Data activity indicator
	The battery is being charged
	The device is in 'No Battery' mode
	The device is in 'Battery Conservation' mode
	Battery status indicator
	Battery low warning (10% or less)
	Battery low warning (charge immediately)
	SIM is PIN locked. Enter SIM PIN to use device
	NO SIM or SIM card not detected
	New SMS message(s) received
↓	A software update is available for download
	A new software update is available for installation
←	Go to the previous screen
	Go to the Home screen

Getting started

Open the battery door

NOTE: The device comes with a safety tab to protect the device from accidentally turning on prior to first use. Prior to first use, open the battery door and remove the plastic tab on the battery.

To open the battery compartment, gently pry the back cover open using the battery cover opening (illustrated on the 'Getting to know your H700' page) and circled on the diagram below).
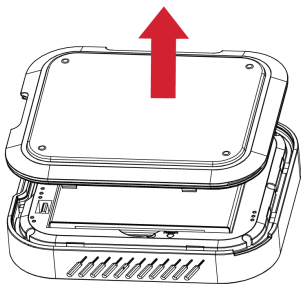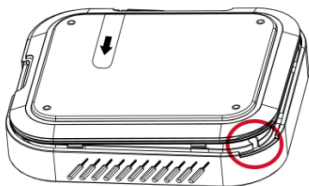
To maintain the IP68 rating against dust and water ingress, secure the protective flaps on all external ports (labelled 1, 2 and 3 on the 'Getting to know your H700' page) and ensure that the battery cover fits securely.

NOTE: If you experience difficulty removing the battery cover, please use the provided battery cover lever tool to assist (see diagram below).
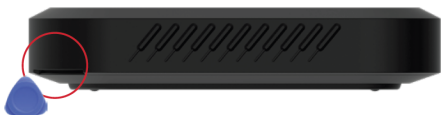
How to insert the battery

Step 1

Insert the battery flush into the cavity so the three metallic contacts on the top of the battery are aligned with the metallic contact points in the battery compartment and gently slide it into place.
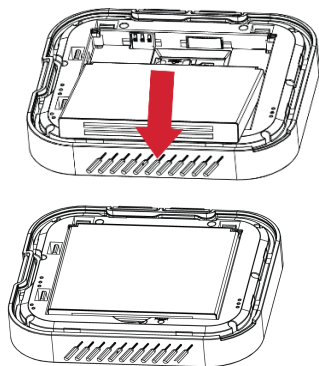
Step 2

Close the battery cover ensuring that it is fully secure. You will hear clicks when the battery cover is properly sealed. This is important to ensure the H700 remains water and dust resistant.

CAUTION: Recycle used batteries as per local regulations. If you do not use the approved battery with your H700, there will be a risk of fire or explosions resulting in burns or severe injury. Do not attempt to open, crush, or burn the battery. Do not subject the H700 or the battery to temperatures or environments exceeding 55°C.

WARNING: Only use the Sonim-approved battery and charger that was provided with your H700. The warranty does not cover damage caused with using non-approved batteries and/or chargers.

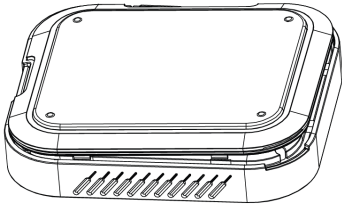**NOTE:** Before removing or replacing the battery, ensure your H700 is not connected to any device or power source. Take caution when removing the battery cover and battery. If you experience difficulty removing the battery cover, please use the provided battery cover lever tool to assist. Never attempt to remove the battery with a knife, a key, a pen or other such instrument for this purpose. Using foreign instruments may damage the battery and void your warranty.

Before using the H700, please read the Battery Safety Information section in this user guide.

Charging your mobile hotspot

NOTE: It is important to fully charge your H700's battery before using it for the first time.

To charge the battery:

1. Connect the provided USB cable to the AC Adapter (USB-A connection type) and to the charging port (USB-C connection type) of the H700.

2. Plug the AC Adapter into an appropriate electrical outlet.

Installing/replacing a SIM card

The Subscriber Identity Module (SIM) card is a small rectangular plastic card that stores your carrier subscription information. Your H700 will not function without a properly activated SIM card.

To install/replace a SIM card:

1. Unplug the H700 (if connected to an AC Adapter), power OFF the device, remove the battery cover, and take out the battery.

2. To remove a SIM card, gently slide the SIM out of the SIM card tray.

3. Gently slide the new SIM card into the SIM tray with the metal contacts facing down.
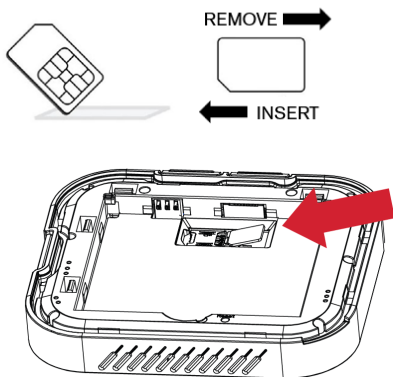
CAUTION: Do not bend or scratch your SIM card. Avoid exposing the SIM card to static electricity, water, or dirt.

Unlocking your SIM

If you have a PIN lock on your SIM:

The "**Unlock SIM**" icon will display in the upper left corner of the screen. Click on the icon to enter the unlock screen, and then enter your PIN code to unlock (see illustrations below).
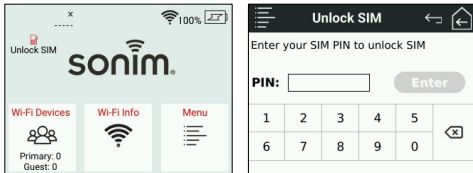

NOTE: The SIM PIN can be obtained from your service provider. If your SIM PIN has been entered incorrectly 3 times, the SIM card will be blocked – if this happens, you will need to contact your service provider to obtain a PUK code to unblock your SIM card.

Switching the H700 ON/OFF

- To switch ON: press and hold the Power button until the Sonim logo appears on the screen

- To switch OFF: Press and hold the **Power** button for three seconds. You will see the following screen. Choose 'Yes' to switch OFF

  NOTE: You can select 'No' to not switch OFF or 'Reboot' to reboot the H700

Warning

Do you want to turn off your device?

Yes   **No**   **Reboot**
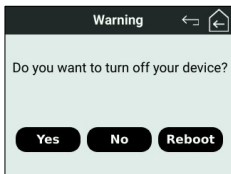
- To wake up the display: Press and release the **Power** button.

LED status indicator

The H700 has a white status LED (see illustration on the 'Getting to know your H700' page) to indicate that the device is turned on.

The LED will periodically turn ON for one second and turn OFF for five seconds when the device is switched ON. This provides you with an indication that the H700 is on without having to turn on the display.

The LED will continue to blink while devices are connected to the H700. If there are no devices connected to the H700, the device will go into deep-sleep mode to conserve battery life. When the device is in deep-sleep mode, the LED will not blink.

You can take the H700 out of deep-sleep mode by briefly pressing the power button – at this point, the LED will resume blinking.

Setting up a Wi-Fi connection

1. Open the Wi-Fi settings on your laptop or a Wi-Fi device that you want to connect to your H700.

2. Select "Wi-Fi Info" to find your H700's Wi-Fi names (SSIDs) and passwords. In "Wi-Fi Info", you can swipe left and right to view SSIDs/passwords.

3. To access the Internet, connect to a Wi-Fi SSID using the corresponding password. It is recommended that you

connect to the Primary Wi-Fi. Guest Wi-Fi can be enabled using Menu > Wi-Fi > Guest Network.

4. To activate/de-activate SSIDs and change usernames and passwords, please login to the Admin Website.

NOTE: Sonim strongly recommends changing the default passwords for your Wi-Fi network via the Admin Website to ensure secure access.

Using your H700

The display of the H700 allows you to gain access to the Internet, check the status of your device, view data usage, Wi-Fi network and password info, connected device details, and much more.

Home Screen

The H700 Home Screen provides a quick overview of its status.
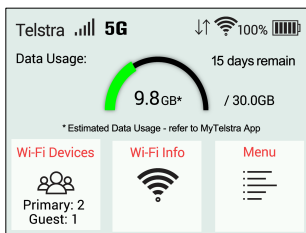
The device screen is a 2.4 inch (61 mm) TFT LCD with capacitive touch.

There are three selectable sections: Wi-Fi Devices, Wi-Fi info and Menu. Once a selection is made, that section will appear red briefly before it loads the selected option.

The home screen provides a status bar at the top of the screen – you will see info such as your carrier specifics (name, signal strength and connection type), Wi-Fi ON/OFF status, battery status and other information on the status bar. To see the meaning of icons that can appear in the status bar, please refer to the table on the 'Device Iconography' page.

The H700 home screen will display Data Usage information when using a Telstra SIM card. The Data Usage displayed is an estimated value – you can download the 'My Telstra' app from the

App Store (for Apple users) or Google Play (for Android users). Please visit https://telstra.com for more information.

If you are using a non-Telstra SIM card, you can manually configure a data plan via the Admin Website > Data Usage menu.

H700 USB Options

When a USB cable is plugged in to the H700 and to a computer, the following 'USB Connection Options' screen appears.


Select a desired option from the list and click OK to return to the Home page.

Wi-Fi Devices

This section displays the number of Wi-Fi devices connected to the Primary and Guest Wi-Fi network. Selecting the Wi-Fi Devices section will load a 'Connected Devices' list that displays all connected devices including Wi-Fi, Ethernet and USB.

Clicking on a 'Connected Device' will display additional information such as it's Device Name, IP Address and MAC Address.

It is possible to block a specific Wi-Fi connected device from connecting to the H700 by selecting Block. You can remove a device from the blocked devices list by selecting Blocked Devices > 'MAC Address of blocked device' > Unblock. See illustrations below.
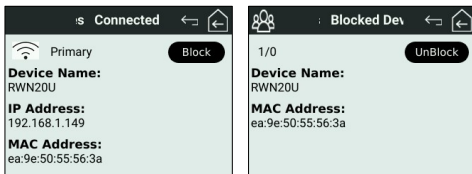
Wi-Fi Info

The 'Wi-Fi Info' section will provide details of the Primary and Guest Network Names (SSIDs) and Passwords. You can:

- Click on '**Wi-Fi Info'** on the home screen to enter the Wi-Fi information display pages.

- Swipe the pages to display the various options: Primary Network (2.4GHz) / Primary Network (5GHz) / Primary Network (6GHz) / Guest Network.

- Wi-Fi networks that are enabled or disabled are visually represented with an 'Enabled' or 'Disabled' indicator (see illustrations below).
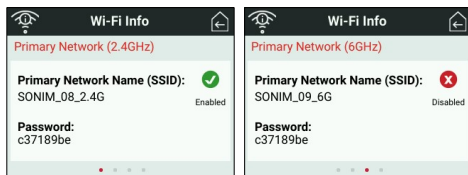
- To Enable or Disable a Wi-Fi network, go to Menu > Wi-Fi > Primary Network or Menu > Wi-Fi > Guest Network and use the toggles to Enable or Disable a network.

- To activate/deactivate SSID broadcast and to change usernames and passwords, please log in to the Admin Website.

NOTES:

1. The Guest Network can support one frequency band from the list of bands enabled on the Primary Network

2. 5GHz and 6GHz bands cannot be activated concurrently

3. 5GHz and 6GHz options are unavailable on the Guest Network when these frequencies are configured as 802.11be (this can be configured via the Admin Website).

4. For advanced Wi-Fi configuration settings, please log in to the Admin Website. See Menu > Help > Admin Website for more information.

Menu

The 'Menu' section allows the user to access additional options including Network, Wi-Fi, Messages, Settings, Help and Data usage.

When navigating the Menus, the icon at the top left corner of the screen acts as a guide to display where you are in the menu. The icons on the top right corner of the screen gives you the option of either going back one page ($\hookleftarrow$) or returning to the home screen ($\hat{\ominus}$).

Network

The Network menu can be accessed by selecting the Network icon.
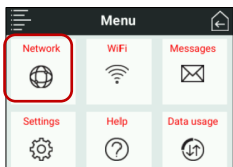
Using the toggle switches you can enable or disable the Network (data) Connection and/or Data Roaming.
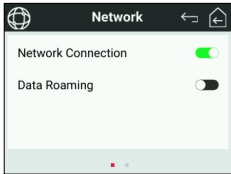

Green means it is enabled, and grey means it is disabled.

CAUTION: Data Roaming is disabled by default. When enabled, roaming charges may apply if you are not on your home network. Check your cellular network provider to ensure that you have a suitable data roaming plan.
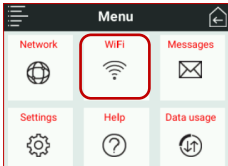
From the Network menu, you can swipe to the second page to see the Device IMEI Number and Mobile Number.

NOTE: Mobile Number display is dependent on SIM and may not be supported.
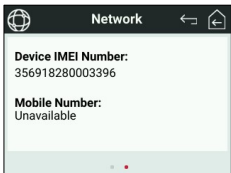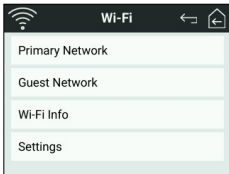
Wi-Fi

The Wi-Fi menu can be accessed by selecting the Wi-Fi icon.

The Wi-Fi menu allows enabling or disabling the Primary and Guest Wi-Fi networks, viewing Wi-Fi Info (Wi-Fi network info) and accessing additional Settings.
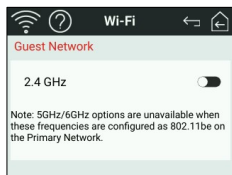

Selecting the Primary Network allows users to enable and disable the 2.4Ghz, 5GHz or 6GHz Wi-Fi networks by sliding the toggle switches.
Green means it is enabled, and grey means it is disabled.
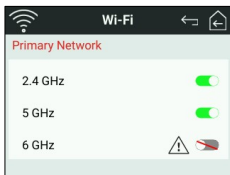
Selecting the Guest Network allows users to enable and disable frequency bands for the Guest Network.


NOTES:

1. The Guest Network can support one frequency band from the list of bands enabled on the Primary Network

2. 5GHz and 6GHz bands cannot be activated concurrently

3. 5GHz and 6GHz options are unavailable on the Guest Network when these frequencies are configured as 802.11be (this can be configured via the Admin Website).

4. For advanced Wi-Fi configuration settings, please log in to the Admin Website. See Menu > Help > Admin Website for more information.

Selecting Wi-Fi Info will provide details of the Primary and Guest Network Names (SSIDs) and Passwords. You can:

- Swipe the pages to display the various options: Primary Network (2.4GHz) / Primary Network (5GHz) / Primary Network (6GHz) / Guest Network.

- Wi-Fi networks that are enabled or disabled are visually represented with an 'Enabled' or 'Disabled' indicator (see illustrations below).
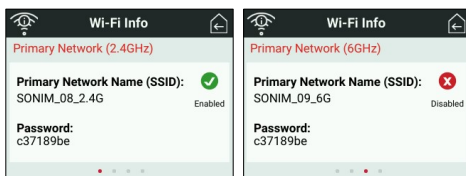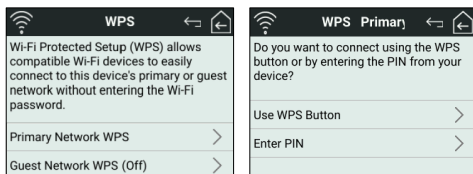

Selecting Wi-Fi Settings allows you to:

- Enable or Disable Wi-Fi connections (Green means it is enabled, and grey means it is disabled).

- Enable WPS connections either with the WPS Button or PIN entry.
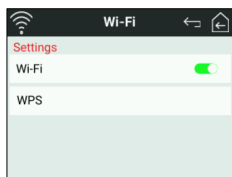
WPS refers to Wi-Fi Protected Setup. It is a wireless network security standard that makes connections between the H700 and wireless devices faster and easier.

With the WPS Button method you can connect to a Wi-Fi enabled device. To activate this feature, select 'Use WPS Button' on the H700, then press the WPS button on the connecting device.
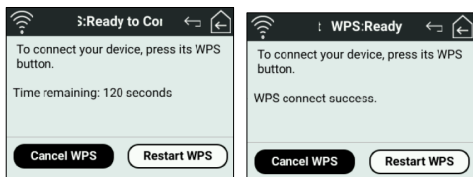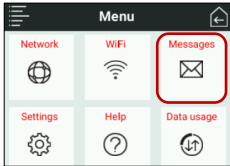

Use the WPS PIN method to connect to a Wi-Fi enabled device that has a WPS PIN associated with it.
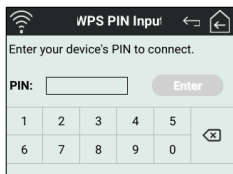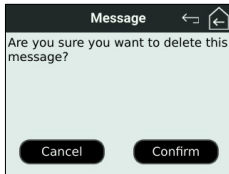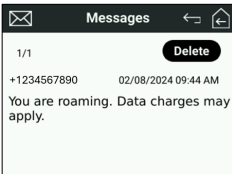
Messages

Messages can be accessed by selecting the Messages icon.

Messages can be viewed and deleted in this section. Here you will find SMS messages sent to your device or notifications from your service provider.

NOTE: Messages cannot be sent from the H700. Messages can be deleted using the Delete button. Once messages are deleted they cannot be recovered.
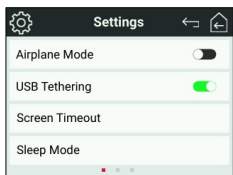
Settings

The Settings menu can be accessed by selecting the Settings icon.
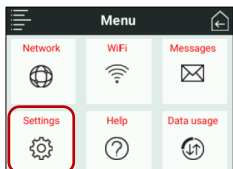
The following settings options are available (on the 1st Settings page):

Airplane Mode - can be enabled or disabled (Green means it is enabled, and grey means it is disabled).

NOTE: If Airplane Mode is active, you will not be able to use the H700 as a hotspot.

USB Tethering - a mobile connection shared with PC/MAC using a USB data cable can be enabled or disabled (Green means it is enabled, and grey means it is disabled).

Screen Timeout – this allows you to specify how long the screen will stay on after last use.

NOTE: setting a longer screen time can drain the battery faster.

Sleep Mode – to conserve power, the device can be set to sleep when no devices are connected. The power button can be pressed to awaken the device.

**NOTE:** Selecting a shorter sleep mode time may extend your battery life.

The following settings options are available (on the 2nd Settings page):
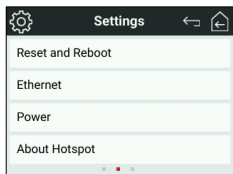
Reset and Reboot - allows the device to be reset and rebooted back to the H700s factory default settings.

NOTE: Any active connections (Wi-Fi, USB, Ethernet) and the cellular network will be disconnected during the Reset and Reboot process. Additionally, all device settings including Wi-Fi and Admin Website passwords will be reset to the factory default.

Ethernet – provides the following options:
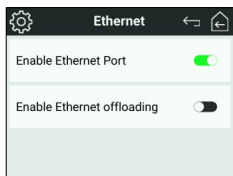
(a) **Enable Ethernet Port**: Allows the Ethernet port on the device to be Enabled or Disabled (Green means it is enabled, and grey means it is disabled).

(b) **Enable Ethernet offloading**: When enabled and the H700 is connected to an Internet connected device (such as a cable modem/router), data traffic can be routed via the Internet connected device instead of the cellular network (Green means it is enabled, and grey means it is disabled).

Power – provides the following options:

NOTE: Only one of the below features can be activated at any one time.
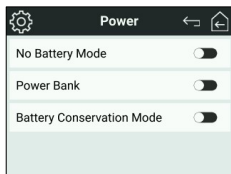
(a) **No Battery mode:** Allows you to operate the H700 without a battery when you connect it to a constant power source (Green means it is enabled, and grey means it is disabled).

NOTES:

1. No Battery mode is ONLY compatible with the provided AC Adapter. Using an alternative power source may cause the H700 to power OFF or reboot.
2. When using No Battery mode, the H700 will power OFF during a power outage. The H700 will switch back ON when power is restored.

3. When switching OFF No Battery mode, please ensure that there is a battery in the H700 to ensure normal operation.

(b) Power Bank mode: allows you to use the USB-C port on the H700 as a power bank to charge other devices. This is also referred to as reverse charging (Green means it is enabled, and grey means it is disabled).

NOTES:

1. Power Bank mode will operate as a slow charger.

2. Power Bank mode is disabled when the H700 is switched OFF or rebooted.

3. Battery Conservation mode: allows you to improve the longevity of your battery, when charging you device, by limiting the maximum battery level to 80% (Green means it is enabled, and grey means it is disabled).

About Hotspot - provides useful information about your device, such as:

- Model
- Software Version
- Hardware Version
- Battery Level (%)
- Internet Status
- Technology
- Network
- Signal Strength (RSRP)
- SNR (dB)
- Mobile Number
- IMEI
- ICCID
- Roaming status
- APN
- IP Address

Software Update (is available on the 3rd Settings page): provides software updates for your H700. You can select 'Check for new updates' to check if there are new updates for your H700.
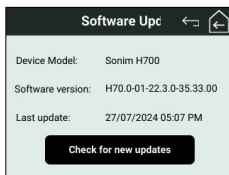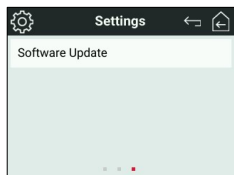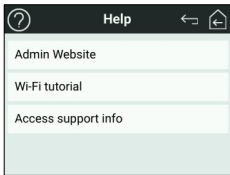
Help

Help can be accessed by selecting the Help icon.

The following help menus are available:

(a) **Admin Website** - provides details about how to access the Admin Website. The Admin Website allows users to access and configure advanced settings on the device. The username and password for the Admin Website can be found here.

(b) **Wi-Fi tutorial** - provides basic instructions on how to set up Wi-Fi connections

(c) **Access support info** - displays a QR code that links to the online support information. The URL for online support is also listed here.

NOTE: You cannot access the user guide directly from the H700. You will need to use a device capable of scanning the QR code and/or accessing the link.

Data usage

Data usage information can be accessed by selecting the Data usage icon.
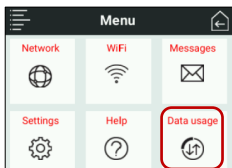
This section displays Data Usage information when using a Telstra SIM card. The Data Usage displayed is an estimated value – you can download the 'My Telstra' app from the App Store (for Apple users) or Google Play (for Android users). Please visit https://telstra.com for more information.

If you are using a non-Telstra SIM card, you can manually configure a data plan via the Admin Website > Data Usage menu.
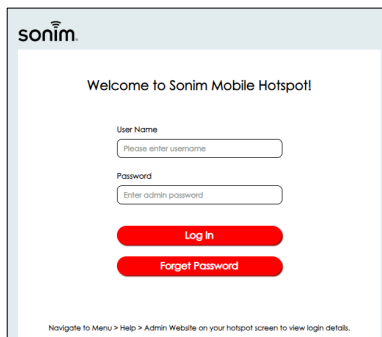
Managing the H700 with the Admin Website (Web User Interface/Web UI)

While you can edit some settings directly on the H700 screen, additional, advanced settings are available via the Admin Website (The Admin Website will also be referred to as the Web User Interface or Web UI throughout the rest of this user guide).

Web UI device management

1. On your Wi-Fi device or laptop that is connected to your H700, type **http://192.168.1.1** or **http://sonim.mobilehotspot/** in the browser bar.

NOTE: Your mobile device, PC or MAC must be connected via Wi-Fi, Ethernet or USB to your H700 for you to access your Web UI.

2. Enter the **Username** and **Password.**

NOTE: Your Username and Password can be found by navigating to Menu > Help > Admin Website on the H700 screen.

3. Click **Log In.**

NOTE: If this is your first log in, Sonim strongly recommends changing the credentials for your Web UI, Primary Wi-Fi and Guest Wi-Fi logins.

To change the credentials for the Web UI, navigate to Web UI > Settings > Admin Settings
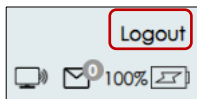
To change the credentials for the Primary Network, navigate to Web UI > Wi-Fi > Primary Network

To change the credentials for the Guest Network, navigate to Web UI > Wi-Fi > Guest Network
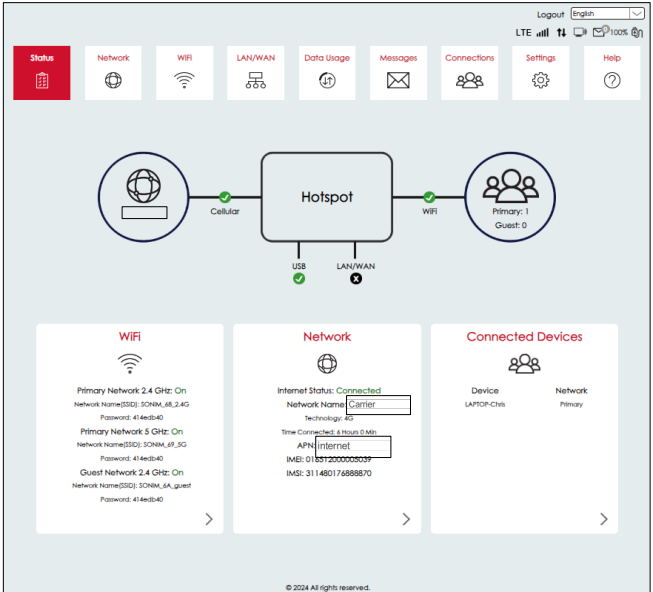
Logging out of Web UI

To log out,

Click **Logout** in the upper right corner of the Web UI.

Click **OK** on the pop-screen to exit the Web UI and return to the Web UI Log in screen.

Web UI Home screen

The Web UI home screen main navigation pages include: Status, Network, Wi-Fi, LAN/WAN, Data Usage, Messages, Connections, Settings and Help.

Status Page

The status page shows you an overview of the connections active on your H700. A green tick indicates that a connection is active. A black cross indicates that a connection is inactive.
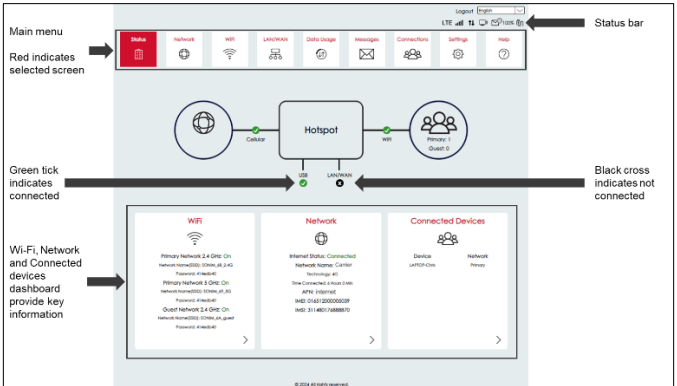
Additional status information regarding the H700s Wi-Fi networks, cellular network connectivity details (including APN) and Connected Devices can be viewed on the Status page.

Network

The '**Network**' tab provides cellular network settings.
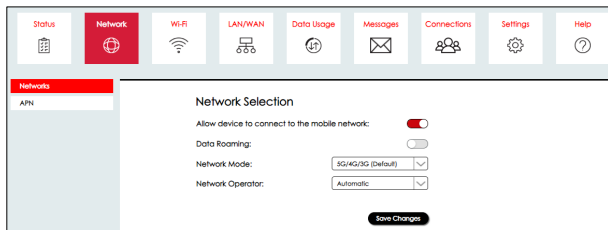
Using the toggle switches you can Enable or Disable the **Network (data) Connection** and/or **Data Roaming**. Red means it is enabled, and grey means it is disabled.

CAUTION: Data Roaming is disabled by default. When enabled, roaming charges may apply if you are not on your home network. Check your cellular network provider to ensure that you have a suitable data roaming plan.

Network Mode allows you to select the radio access technology you wish to operate on. Options are, '5G/4G/3G', '4G/3G' and '3G'.

**Network Operator** allows you to specify 'Automatic' network selection mode or 'Manual Selection' mode.

The '**APN**' tab allows you to create a new Access Point Name (APN) if your SIM card subscription requires a configuration different to the default setup (for example a corporate APN). You may need to contact your service provider to obtain detailed APN configuration settings.
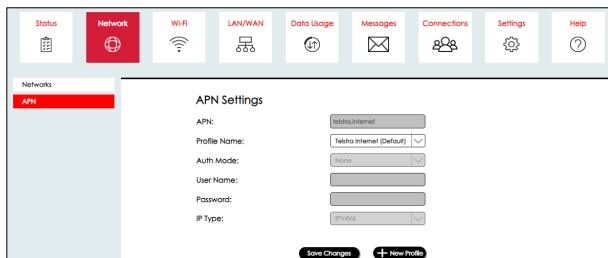
Wi-Fi

This section allows you to configure basic and advanced settings for our Wi-Fi networks.

The **Settings** tab provides the following configurable options:
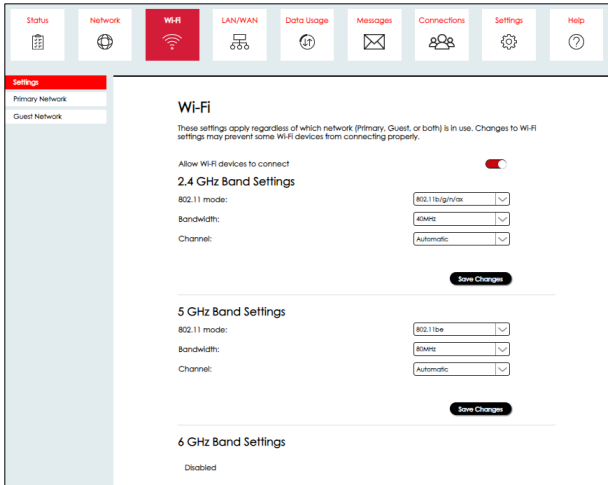
(a) **Allow Wi-Fi devices to connect**: toggle this setting to Enable or Disable Wi-Fi access completely. This applies to the Primary and Guest network. Red means it is enabled, and grey means it is disabled.

(b) Each frequency band (2.4GHz, 5GHz and 6GHz) can be configured with the following options:

802.11b mode: this refers to the Wi-Fi connection standard. The H700 supports up to 802.11b/g/n/ax on 2.4GHz. You can configure the setting to 802.11b/g/n if you are having difficulty connecting older / legacy Wi-Fi devices to the H700.

The H700 supports up to 802.11be (Wi-Fi 7) on 5GHz and 6GHz. Other options such as 802.11a, n, ac, ax are supported if you require a specific connection standard.
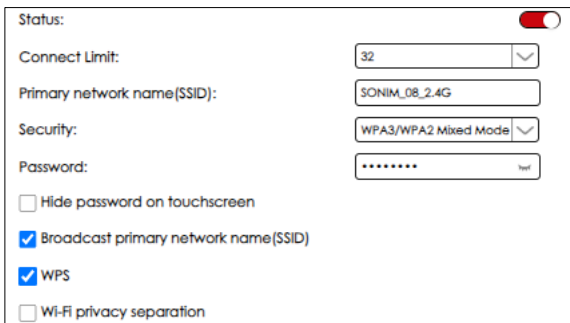
Bandwidth: this refers to the capacity allocated to the Wi-Fi network for data transmission.

It is generally recommended leaving this at the highest available value.

Channel: In some scenarios, Wi-Fi networks in surrounding areas may use specific channels that are causing some interference. In such cases, you may get better performance by setting a manual channel.

It is generally recommended leaving this setting at 'Automatic'.

The **Primary Network** and **Guest Network** tab provides the following configurable options depending on the frequency band (2.4/5/6GHz) enabled in the **Settings** tab:

(a) **Status:** the specific frequency can be Enabled or Disabled. Red means it is enabled, and grey means it is disabled.

(b) **Connect Limit**: sets the Wi-Fi connection limit for that frequency band.

NOTE: There is a total limit of 32 connections for the H700.

(c)**Primary network name (SSID):** here you can edit your preferred network name.

(d) **Security:** this refers to the security/encryption used by your network. The H700 supports:

- None (Open) – No security
- WPA2 Personal PSK (AES)
- WPA/WPA2 Mixed Mode
- WPA3/WPA2 Mixed Mode
- WPA3

It is recommended that the highest possible security level is used. You can try other supported security/encryption levels if you are having difficulty connecting older / legacy Wi-Fi devices to the H700.

CAUTION: Using 'None (Open)' provides no security/encryption – using this setting is not advised.

(e) **Password:** Here you can change the default password for your Wi-Fi network. It is highly recommended that you change the default password.

(f) **Hide password on touchscreen**: the username and passwords for configured Wi-Fi networks are displayed on your H700 screen. This toggle allows you to enable / disable the display of the password on screen. A blue tick means it is enabled, and an empty box means it is disabled.

(g) **Broadcast Primary Network Name (SSID):** this toggle allows you to configure whether the Wi-Fi network name is broadcast or hidden. When hidden, you may have to manually enter the Wi-Fi access details the first time you connect to the network. A blue tick means it is enabled, and an empty box means it is disabled.

(h) **WPS:** This setting allows you to toggle ON or OFF WPS access on the H700. A blue tick means it is enabled, and an empty box means it is disabled.

NOTE: WPS refers to Wi-Fi Protected Setup and is a wireless network security standard that makes connections between the H**7**00 and wireless devices faster and easier. WPS can be accessed via your H700 screen (Menu > Wi-Fi > Settings > WPS). For more info, please see the WPS section in the 'Using your H700 > Wi-Fi' part of this guide.

(i) **Wi-Fi privacy separation:** this function helps to enhance security on your Wi-Fi network by preventing communications between wireless devices on that network. A blue tick means it is enabled, and an empty box means it is disabled.

NOTE: When enabled, Wi-Fi privacy separation may prevent you from accessing devices on your network such as a printer or file server. Where devices on your Primary Network are trusted, it is recommended to leave this setting disabled. Setting Wi-Fi privacy separation to ON is highly recommended when operating a Guest Network.
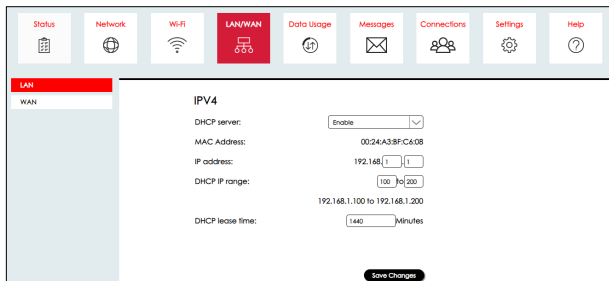
ADDITIONAL NOTES FOR WI-FI:

1. The Guest Network can support one frequency band from the list of bands enabled on the Primary Network

2. 5GHz and 6GHz bands cannot be activated concurrently

3. 5GHz and 6GHz options are unavailable on the Guest Network when these frequencies are configured as 802.11be (this can be configured via the Admin Website).

LAN/WAN

This page lets you configure your LAN and WAN settings. Please exercise caution when changing these settings to avoid potential network issues.

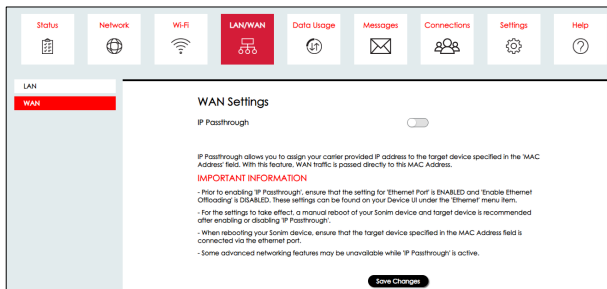The **LAN** tab provides the following configurable options:

The DHCP server assigns IP addresses to all devices connecting to the H700. If required, you can modify the IP address scheme and DHCP lease time that your network will use when assigning IP addresses to devices connecting via Wi-Fi, Ethernet or USB.

The **WAN** tab provides the following configurable options:

IP passthrough: allows you to assign your carrier provided IP address to the target device specified in the 'MAC Address' field. With this feature, WAN traffic is passed directly to this MAC Address. Red means it is enabled, and grey means it is disabled.

NOTES:

1. Prior to enabling 'IP Passthrough', ensure that the setting for 'Ethernet Port' is ENABLED and 'Enable Ethernet Offloading' is DISABLED. These settings can be found on your Device UI under the 'Ethernet' menu item.

2. For the settings to take effect, a manual reboot of your Sonim device and target device is recommended after enabling or disabling 'IP Passthrough'.

3. When rebooting your Sonim device, ensure that the target device specified in the MAC Address field is connected via the Ethernet port.

4. Some advanced networking features may be unavailable while 'IP Passthrough' is active.

Data Usage

Data usage information can be accessed by selecting the Data Usage page.
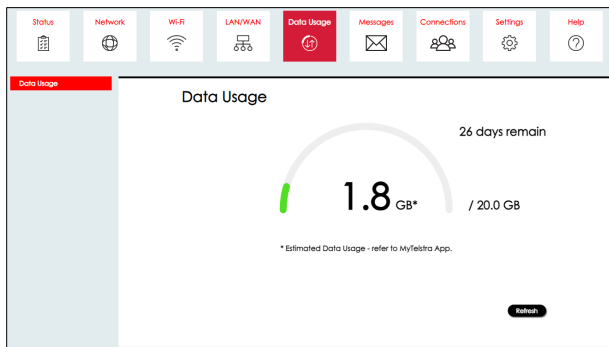
This section displays Data Usage information automatically when using a Telstra SIM card. The Data Usage displayed is an estimated value – you can download the 'My Telstra' app from the App Store (for Apple users) or Google Play (for Android users). Please visit https://telstra.com for more information.

If you are using a non-Telstra SIM card, you can configure your data plan details manually – to do this, select 'My plan has Fixed data' and enter your plan details.

NOTE: The data calculated by the device is an estimate only. Please refer to your service provider's app / website for exact data usage statistics.

Messages

From this page, you can view SMS messages received by your H700 and delete messages that are no longer needed.
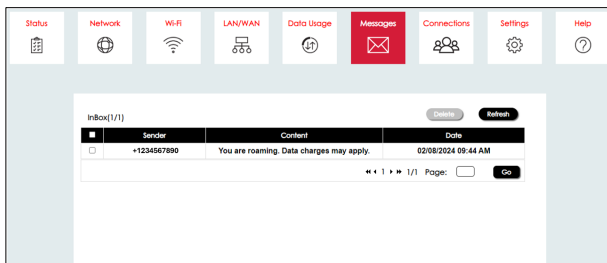
Messages can be viewed and deleted in this section. Here you will find SMS messages sent to your device or notifications from your service provider.

NOTES:

1. Messages cannot be sent from the H700.

2. Messages can be deleted using the Delete button.

3. Once messages are deleted, they cannot be recovered.

Connections

This screen shows the connected devices (Wi-Fi, USB, Ethernet) and their status.

Selecting the Status of a 'Connected Device' will display additional information such as it's Device Name, IP Address and MAC Address. You can also edit a Device Name here and 'Save Changes'.

It is possible to blacklist a connected Wi-Fi device by checking the box to BLOCK the device from accessing your H700 then 'Save Changes'.

Here you can also see a list of blocked devices. To unblock a device, check the Unblock box then 'Save Changes'.
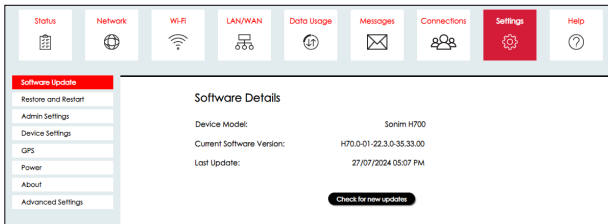
Settings

Settings provides access to several useful tasks:

Software Update

Here you can check for new software updates for your H700. Select '**Check for new updates**' and if available, follow the on-screen prompts to proceed to install a new software update.

Alternatively, you can use the H700 device screen to check for and install software updates.

Restore and Restart

In this page, you can reboot the H700 or reset it to it's factory default settings.

To **Restore to Factory Defaults**, select 'Restore factory defaults' then 'OK' to confirm.

NOTE: Any active connections (Wi-Fi, USB, Ethernet) and the cellular network will be disconnected during the Reset and Reboot process. Additionally, all device settings including Wi-Fi and Admin Website passwords will be reset to the factory default.

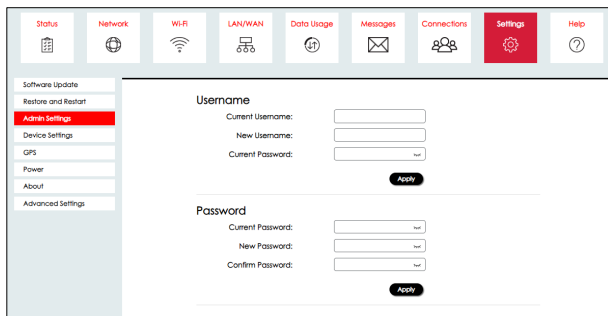To **Restart** the H700 select 'Restart' then 'OK' to confirm.
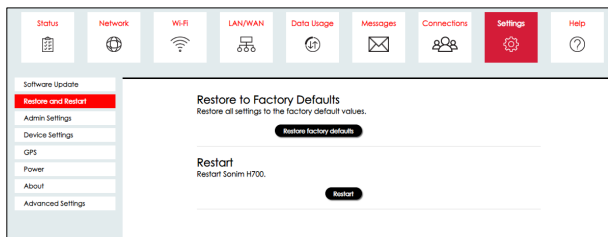
Admin Settings

In this page, you can modify/change the Admin Website (Web UI) username and password.

To change your **Username**, enter your current Username, New Username and Current Password, then select 'Apply'.

To change your 'Password' enter your Current Password, New Password, New Password again (as confirmation), then select 'Apply'.
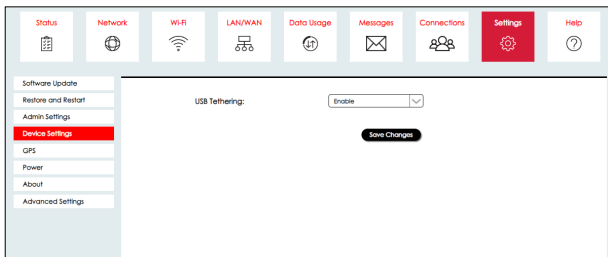
Device Settings

USB tethering can be enabled /disabled from this page.

To Enable or Disable, select an option, then 'Save Changes'.

GPS

This page allows you to configure GPS settings on the H700.

Enable GPS: This toggle allows GPS to be enabled or disabled. Red means it is enabled, and grey means it is disabled.

Turn on GPS over Wi-Fi: GPS over Wi-Fi allows the device to provide a GPS/NMEA (National Marine Electronics Association) stream to a Windows computer. This can be used when running an application that can utilise a GPS/NMEA stream (such as an Enterprise application). To utilise GPS over Wi-Fi, a windows driver must be installed on the PC. Select the '**Download Driver**' button to download and install the latest GPS driver for the H700.

Port Number: Allows you to configure the port number that will be used for the GPS/NMEA stream. To change the port number, enter the desired port number, then 'Save Port Number'.

Power

Here you can configure various power related options.

NOTE: Only one of the below features can be activated at any one time.
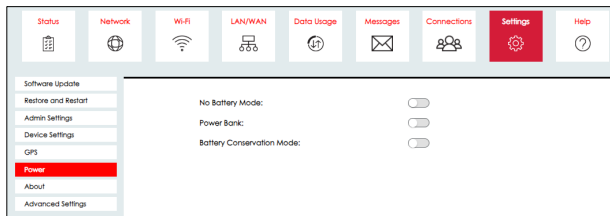
(a) **No Battery mode:** Allows you to operate the H700 without a battery when you connect it to a constant power source (Red means it is enabled, and grey means it is disabled).

NOTES:

1. No Battery mode is ONLY compatible with the provided AC Adapter. Using an alternative power source may cause the H700 to power OFF or reboot.

2. When using No Battery mode, the H700 will power OFF during a power outage. The H700 will switch back ON when power is restored.

3. When switching OFF No Battery mode, please ensure that there is a battery in the H700 to ensure normal operation.

(b) **Power Bank mode**: allows you to use the USB-C port on the H700 as a power bank to charge other devices. This is also referred to as reverse charging (Red means it is enabled, and grey means it is disabled).

NOTES:

1. Power Bank mode will operate as a slow charger.

2. Power Bank mode is disabled when the H700 is switched OFF or rebooted.

3. Battery Conservation mode: allows you to improve the longevity of your battery, when charging you device, by limiting the maximum battery level to 80% (Green means it is enabled, and grey means it is disabled).

About

In the About screen, you can view useful data related to your **Internet Status** and **Device Info**.

Advanced Settings

This menu can be accessed via the Web UI > Settings > Advanced Settings.

WARNING! Making changes to the Advanced Settings can cause the device to stop operating properly. Only make changes to these settings if you fully understand the impact to the device.

Manual DNS

Here you can specify **Primary** and **Secondary DNS** server IP addresses if you wish to use DNS servers different to that automatically provided by your cellular service provider.

DNS Rebinding Protection

This setting protects devices that may be vulnerable to a type of attack referred to as DNS Rebinding.
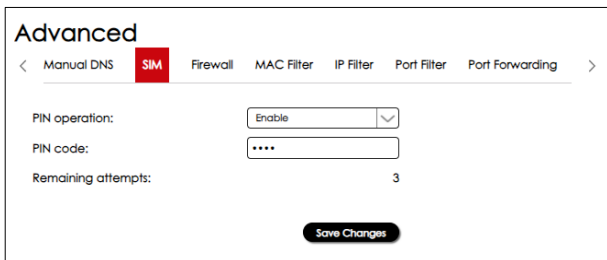
SIM (Subscriber Identity Module)

The PIN code on a SIM card provides an additional layer of security. If the PIN code is enabled, Internet access is not available until the correct PIN code is entered on the H700.

NOTE: Please also refer to the Getting Started > Unlocking your SIM section of this user guide.
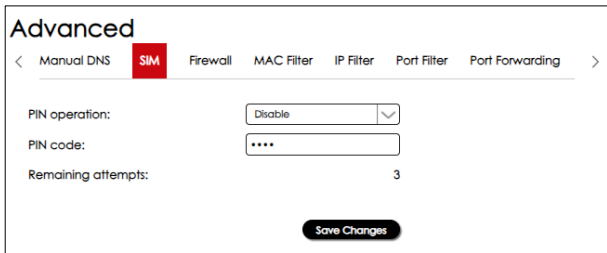
The SIM page allows you to Enable, Disable or Modify the PIN code.

To **Enable**, set PIN operation to 'Enable', enter the correct PIN code, then 'Save Changes'.

Advanced

<	Manual DNS	**SIM**	Firewall	MAC Filter	IP Filter	Port Filter	Port Forwarding	>

PIN operation: Enable

PIN code: ••••

Remaining attempts: 3

Save Changes

To **Disable,** set PIN operation to 'Disable', enter the correct PIN code, then 'Save Changes'.

Advanced

<	Manual DNS	**SIM**	Firewall	MAC Filter	IP Filter	Port Filter	Port Forwarding	>

PIN operation: Disable

PIN code: ••••

Remaining attempts: 3

Save Changes

To Modify, set PIN operation to 'Modify', enter your current PIN, New PIN, then New PIN again as confirmation, the 'Save Changes'.

Advanced

| | | | | | | |
| Manual DNS | **SIM** | Firewall | MAC Filter | IP Filter | Port Filter | Port Forwarding |

PIN operation: Modify

PIN code: ••••

New PIN: ••••

Confirm PIN: ••••

Remaining attempts: 3

Save Changes

NOTE: The SIM PIN can be obtained from your service provider. If your SIM PIN has been entered incorrectly 3 times, the SIM card will be blocked – if this happens, you will need to contact your service provider to obtain a PUK code to unblock your SIM card.

Firewall

IMPORTANT: Firewall settings should be changed with caution as improper settings may leave the H700 and devices (Wi-Fi, USB and Ethernet) connecting to the H700 vulnerable to unauthorised access.

This page allows you to modify the firewall settings to allow capabilities such as MAC Filter, IP Filter, Port Filter, Port Forwarding and VPN Pass Through. These options are only available if the corresponding option is Enabled on the firewall, then applied with 'Save Changes'.

MAC Filter

On this page you can define a list of devices that you wish to allow (Whitelist) or disallow (Blacklist) connecting with your H700's Wi-Fi or the Internet.

Select Whitelist or Blacklist from the Status, 'Add' MAC Addresses as required, then 'Save Changes'.

NOTES:

1. The 'Whitelist' will only allow devices with the specified MAC address(es) to connect to the Internet. If the 'MAC Filter' is enabled but the whitelist is empty, devices will not be able to access the Internet.

2. The 'Blacklist' will deny devices with the specified MAC address(es) from connecting to the Internet.

3. A MAC address must be specified in the format: 'xx:xx:xx:xx:xx:xx'.

IP Filter

In this page, you can manage what IP traffic is allowed in and out of your network based on the rules you define.

Select Whitelist or Blacklist from the Status, add the LAN IP Address, LAN Port, WAN IP Address, WAN Port, Protocol and required Status (ON/OFF), then select 'Save Changes'.

NOTES:

1. Whitelist: Set the websites that users are allowed to access. If the whitelist is empty, users will not be able to access the Internet.

2. Blacklist: Set the websites that you do not want users to access.

3. The supported value range of the LAN and WAN Port is 1-65535.

4. Settings will not take effect until 'Save Changes' is clicked.

Port Filter

In this page, you can select which applications (for example, HTTP, FTP, and Email servers) can use the Mobile Hotspot to connect to the Internet.

Simply select from the list of preset applications (Email, FTP, HTTP, HTTPS, TELNET) or create your own application with 'Add', type in a Application Name, Start and End Port, Protocol and set Status (ON/OFF) then 'Save Changes' to apply.

Port Forwarding

In this page, you can designate IP traffic to be routed to specific devices on your network (for example, Web servers, FTP servers, Email servers etc) by port forwarding to that IP address and Port number.

Select Add, then type in a Name for the port forward rule, type the WAN port, LAN IP address and Port, Protocol and set Status (ON/OFF) then select 'Save Changes'.

DMZ Settings

This page allows you to set up a DMZ (DeMilitarised Zone). This setting will effectively forward all WAN originated traffic to this internal IP address on your network.

To enable a DMZ, set the DMZ status to 'Enable', then enter an IP address from your internal network, then 'Save Changes'.
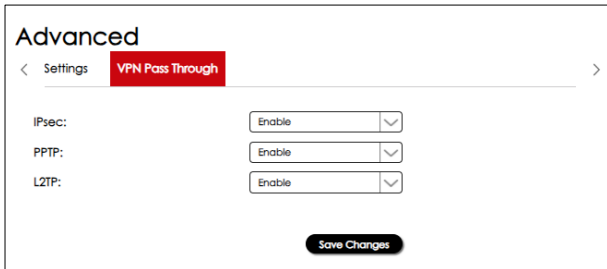
VPN passthrough

VPN passthrough allows VPN traffic to pass through the device's firewall, ensuring secure Internet connections for remote work or accessing private networks while maintaining data privacy.

Additional VPN connection methods can be Enabled / Disabled via this page.

Product and Safety

Specifications

Name	Sonim H700 5G Mobile Hotspot
Model	H700A
Chipset	Qualcomm® SDX75 series
Approvals	RCM (Australia/New Zealand)
Weight	308g
SIM	4FF removable
Dimension	115x100x22.7mm
Connectivity	5G: n1, n3, n5, n7, n8, n26, n28, n40, n78, n258
	(5GNR Sub 6GHz and mmWave support)
	4G: CAT20 | Band 1, 3, 5, 7, 8, 26, 28, 38, 40, 42
	(4G 20-layer DL / 256 QAM / 4x4 MIMO)
	3G: B5 (850MHz), B8 (900MHz), B1 (2100MHz)
Wireless Network (Wi-Fi mode)	WLAN bands: 2.4GHz, 5GHz, 6GHz
	Wi-Fi 6E certified: 802.11 b/g/n/ac/an/ax
	Wi-Fi 7 ready: 802.11be (up to 80MHz)
Location services	Standalone GPS / NMEA / GPS over Wi-Fi
Ethernet	2.5Gbps Ethernet port (RJ45)
USB interface	USB 3.1 Type-C Port
Display	2.4" 64K colour TFT LCD, QVGA (320x240)
Battery Size	Removable 6000mAh Li-Ion

Time for full charge	3 hours (when not in use)
Power Sensing	Auto Power ON with power detection
Power Modes	No Battery mode
	Power Bank mode (reverse charging)
	Battery Conservation mode
External Antenna	2x external (TS-9) antenna ports
Environmental	IP68 / MIL-STD-810H rated
Operating Temperature	-20 to 55 degrees Celsius
Memory	RAM: 1GB, ROM: 1GB

Wireless Communication

Warning! Data can occasionally be lost or delayed due to wireless transmission and reception properties.

The data loss can be due to variations in radio signal strength that result from changes in the characteristics of the radio transmission path. Although data loss is rare, the environment where you operate the H700 might adversely affect data communications.

Variations in radio signal strength are referred to as fading, caused by several factors, including signal reflection, the ionosphere, and interference from other radio channels.

SONIM® or its partners will not be held responsible for damages of any kind resulting from the delays or errors in data transmitted or received or failure of the Sonim H700 5G Mobile Hotspot device to send or receive such data.

Safety Hazards

Do not operate the H700 in an environment that might be susceptible to radio interference resulting in danger, specifically:

AREAS PROHIBITED BY THE LAW

Follow any special rules and regulations and obey all signs and notices. Always turn off the H700 when instructed or you suspect it might cause interference or danger.

WHERE EXPLOSIVE ATMOSPHERES MIGHT BE PRESENT

- Do not operate the H700 in any area where a potentially explosive atmosphere might exist. Sparks in such areas could cause an explosion or fire, resulting in bodily injury or even death. Be aware and comply with all signs and instructions.

- Users are advised not to operate the H700 at a refuelling point or service station.

- Users are reminded to observe restrictions on the use of any radio equipment (including the H700) in:

    o   Fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress,

    o   Areas with a potentially explosive atmosphere are often but not always clearly marked,

    o   Dangerous locations such as gas stations, below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane),

o   Areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would generally be advised to turn off our vehicle engine.

NEAR MEDICAL AND LIFE SUPPORT EQUIPMENT

Do not operate the H700 in any area where medical equipment, life support equipment, or near any equipment that might be susceptible to any form of radio interference. In such areas, the H700 must be turned OFF as the device may transmit signals that could interfere with this equipment.

ON AN AIRCRAFT, EITHER ON THE GROUND OR AIR- BORNE

In addition to FAA requirements, many airline regulations state that you must suspend wireless operations before boarding an airplane. Please ensure that the H700 is turned off before boarding the aircraft to comply with these regulations. The H700 may transmit signals that could interfere with various onboard systems and controls.

WHILE OPERATING A VEHICLE

The driver or operator of any vehicle should not operate a wireless data device (including the H700) while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In many countries operating such communications devices while controlling a vehicle is an offense.

ELECTROSTATIC DISCHARGE (ESD)

Electrical and electronic devices are sensitive to electrostatic discharge (ESD). Macintosh native connection software might attempt to reinitialize the device should a substantial electrostatic discharge reset the device. Restart your Mobile Hotspot devices if the software is not operational after an ESD occurrence.

Specific Absorption Rate (SAR) Declaration

Sonim Technologies Inc, declare that the Sonim H700 5G Mobile Hotspot is tested to comply with the applicable requirements and regulations in Australia for human exposure to radio waves.

Specific Absorption Rate (SAR) is used to measure radio waves absorbed by a body. The device complies with RF specifications when the device is used at a distance of 5mm from your body.

The SAR limit is 2.0 W/kg averaged over 10 grams of tissue in Australia.

The maximum SAR value recorded for the Sonim H700 5G Mobile Hotspot is 1.86W/kg.

BATTERY SAFETY INFORMATION

The current battery level, and whether it is charging or not charging, is displayed in the upper right-hand corner of the screen.

BATTERY USAGE

Your H700 comes with a removable battery. For any battery related questions, please contact the Sonim Customer Support – details can be found on the last page of this guide.

Use only a Sonim mobile hotspot certified battery for the H700. Battery model, BAT-06000-01S, is designed for the H700. The use of other batteries may cause permanent damage to your device, thus voiding the warranty. It is recommended to protect the battery from extreme temperature environments and moisture. Please keep the battery out of the reach of children.

CHARGING THE BATTERY

We recommend that you give the battery a full charge before you use the H700 for the first time. The ambient temperature during charging shall be in the range 0°C to 45°C (32°F to 113°F). Only power supplies with outputs meeting the SELV requirements can be used for charging. The maximum allowable input voltage for the H700 is 5V. There is a risk of fire or explosion while charging if the battery has been replaced by an incorrect type.

If the battery is completely out of charge, it may take several minutes for the charging icon to appear when the charger is connected.

TIPS TO EXTEND THE BATTERY LIFE

Using 'No Battery' or 'Battery Conservation' mode

In scenarios where the device will be used continuously or where the device is on an external power source for extended periods of time (eg several days at a time or 24/7), consider switching ON 'Battery Conservation' mode.

Alternatively, consider switching ON 'No Battery' mode and operating the device without a battery.

These settings are available via the H700 in Menu > Settings > Power.

Managing Screen Timeout

To maximize your battery life, it is recommended to set your Screen Timeout to 30 seconds (which is the factory default). The longer the Screen Timeout value, the shorter your battery life will typically be.

Managing Sleep Mode.

To further maximise your battery life, please go to Settings > Sleep Mode and you will have the option to put your mobile hotspot to sleep if no devices are connected after 5 minutes, 15 minutes, 30 minutes, 60 minutes or Never. Setting a lower Sleep Mode will assist with the longevity of your battery life.

Enable Airplane mode where appropriate

If you are traveling and do not have access to mobile data, switch the device to Airplane mode. To access Airplane Mode, go to Menu > Settings > Airplane Mode.

Avoid extreme (very hot or very cold) temperatures

Leaving the device in extremely hot or cold places, such as in a

closed car in summer or winter conditions could reduce the capacity and lifetime of the battery. For the best results, try to use the device between -20°C and +55°C (-4°F and 131°F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

STORING YOUR MOBILE HOTSPOT OR BATTERY

If you plan to store your mobile hotspot or your battery for an extended time, please follow the recommendations below to ensure long battery life and to minimise battery self-discharge:

- Charge your battery to a level between 40% to 80%.

- Store the H700 and battery separately to minimise battery trickle drain.

- Insulate the battery terminals to avoid discoloration and potential short circuits with other battery terminals.

- Store the battery in dry and cool conditions in a vibration-free environment.

- If you use a climate-controlled storage location, set the temperature in the range of 10° - 18° Celsius and keep the relative humidity between 40% - 50%.

- Recharge the battery once every 6 months, using the original Sonim AC Adapter and charging cable.

PERSONAL MEDICAL DEVICES

Mobile hotspots may affect the operation of cardiac pacemakers and other implanted equipment. Please avoid placing the H700 a pacemaker, for example, laying it on your chest. If a minimum distance of 15 cm (6 inches) is kept between the H700 and the pacemaker, the risk of interference is limited. If you suspect that interference is taking place, immediately turn off your H700 and contact a medical professional for more information. For other medical devices, consult your physician and the manufacturer of the device. Comply with instructions to switch off the H700 or deactivate the RF transmitter when required, especially when posted in hospitals and airplanes. Equipment used in these places may be sensitive to radio waves emitted from the device and adversely affect their operation. Also, observe restrictions at gas stations or other areas with flammable atmosphere or when close to electro-explosive devices.

CHILD SAFETY

Do not allow children to play with your H700, its accessories or battery. Keep it out of their reach. They could hurt themselves or others, or could accidentally damage the H700. Your H700 may contain small parts, which could be detached and create a choking hazard.

Basic troubleshooting & FAQ

I forgot my Wi-Fi password / where can I find my Wi-Fi passwords?

On the H700 touchscreen, tap 'Wi-Fi Info'. You will see the list of Wi-Fi networks (SSIDs) that are Enabled / Disabled. The password will be listed below the network name.

I forgot my Admin Website (Web UI) username and/or password.

On the H700 touchscreen, tap Menu > Help > Admin Website. The Admin Website URL, username and password will be displayed here.

How to I access the Admin Website (Web UI)?

Connect a PC/MAC or a mobile device such as a tablet to the Wi-Fi, USB or Ethernet interface of the H700. Open a web browser and navigate to http://sonim.mobilehotspot or http://192.168.1.1/. Log in with the credentials found at Menu > Help > Admin Website.

How can I change the Wi-Fi name and password?

Log into the Admin Website (WebUI), then navigate to Wi-Fi > Primary Network or Wi-Fi > Guest Network to change passwords.

How can I change the Admin Website (Web UI) username and password?

Log into the Admin Website (WebUI), then navigate to Settings > Admin Settings to change the username and/or password.

My device won't connect to the Internet. What is wrong?

All Sonim mobile hotspots require an activated SIM card to establish a connection to the Internet. Contact your mobile service provider to confirm that your SIM card is active. If your

SIM card is active, you may want to ask your service provider if there are any network outages that may be affecting your access. Contact Sonim Support for assistance – see the last page of this guide for details.

Will my Sonim H700 5G Mobile Hotspot roam on other carriers?

Yes, your mobile hotspot is capable of roaming globally (in other countries), however, it is optimised to perform best when used with a Telstra SIM in Australia. Global roaming is dependent on your carrier's network arrangements and available roaming bands.

NOTE: Ensure that your SIM subscription allows for International Roaming. Additional Roaming Charges may apply.

Is the H700 locked to work only on the mobile carrier from which I purchased it?

the H700 is not locked to any network and should work with most SIM cards, however, it is optimised to perform best when used with a Telstra SIM in Australia

Sonim Support

You can access Sonim support through the following channels:

Web: sonimtech.com/wireless-connectivity/help/h700

Technical Support: support@sonimtech.com

Request for warranty or RMA support: RMA@sonimtech.com

Phone: For local contact numbers and hours of operation, please visit our website at sonimtech.com/wireless-connectivity/help

Access Support Information:

To access support info, please scan the following QR code using your smartphone.