

# SONÎM. XP400 USER GUIDE

# **GENERAL INFORMATION**

Congratulations on purchasing the Sonim XP400 mobile phone! This ultra-rugged 5G smartphone features an intuitive, feature-rich user interface that enables you to make the most of the device's functions.

## **Durable Design**

The Sonim XP400 is engineered for ultra durability, featuring IP68 and IPX9K ratings that certify its resistance to dust and water. This means the device can be submerged in up to 5 feet (1.5 meters) of fresh water for 30 minutes without sustaining damage, making it ideal for harsh and unpredictable environments. It also meets the rigorous MIL-STD-810H military standard, ensuring resilience against extreme conditions such as drops from up to 1.5 meters, shock, vibration, temperature fluctuations, and is resistant to salt fog, enhancing its suitability for maritime or coastal environments<sup>1</sup>.

#### **Device Models Covered**

This user guide covers the **Sonim XP400**, model number X400, and Android 14 software.

## What's in the box?

The Sonim XP400 package includes:

- Sonim XP400 phone
- SIM Tool
- USB Type-C Cable
- Quick Start Guide.

For environmental reasons, this package does not include a charger. This device can be powered with most USB power adapters and a cable with a USB Type-C plug.

<sup>&</sup>lt;sup>1</sup> For more information, consult the Sonim XP400 warranty at https://www.sonimtech.com/support/warranties

# Register Your Phone

Please register your phone at <a href="https://sonimtech.my.site.com">https://sonimtech.my.site.com</a> to receive product information and updates.



Sonim devices are covered by a 3-Year manufacturer's warranty. The battery is covered by a 1-Year limited warranty.

# Sonim Support Information

Web: www.sonimtech.com/support/device-supportguides#xpprothermal

Technical Support: <a href="mailto:globalsupport@sonimtech.com">globalsupport@sonimtech.com</a>

Phone: For local contact numbers and hours of operation, please visit our website

at www.sonimtech.com/support

Manufacturer's address: Sonim Technologies Inc.

4445 Eastgate Mall, Suite 200,

San Diego, CA 92121; United States

Copyright © 2025 Sonim Technologies, Inc.

Sonim and the Sonim logo are trademarks of Sonim Technologies, Inc. Other company and product names may be trademarks or registered trademarks of the respective owners with whom they are associated.

#### THIRD-PARTY MARKS

Google, Google Play, Gmail, and other marks are trademarks of Google LLC.



**IMPORTANT:** The XP400 offers IP68 and IPX9K level protection only when the SIM door is closed.

# **TABLE OF CONTENTS**

GENERAL INFORMATION	2
What's in the box?	2
Register Your Phone	3
Sonim Support Information	3
GETTING STARTED	7
How To Use The Touchscreen	7
Charging The Battery	8
SIM Card	10
USING YOUR SONIM XP400	12
Switching On the Phone	13
Phone Operations Without SIM Card	13
Setting Up Your Phone	13
Managing The Home Screen	20
Notification and Status Icons	21
Notification Panel	22
Quick Settings Panel	22
Setting Up and Using The Lock Screen	23
Changing the Wallpaper	23
Capturing A Screenshot	24
Making A Call	25
SETTINGS MENU	26
Network & Internet	26
Airplane Mode	28
Connected Devices	31
Notifications	33
Battery Settings	35
Storage Settings	37
Sound Settings	38
Display Settings	40
Wallpaper	42
Accessibility	42

Security Settings	46
Privacy Settings	51
Location Settings	53
Recent Access	53
App Location Permissions	53
Location Services	54
Safety & Emergency	54
Passwords & Accounts	56
Digital Wellbeing & Parental Controls	57
Google	58
Others	59
System	59
About Phone	68
MANAGING CONTACTS	71
Adding A Contact	71
Contacts App	71
MANAGING CALL SETTINGS	75
Display Options	75
Sounds And Vibrations	75
Quick Responses	77
Speed Dial Settings	77
Calling Accounts	78
Blocked Numbers	79
Voicemail	79
Accessibility	80
About	81
Caller ID & Spam	81
Sending Messages And Emails	82
Sending SMS/MMS Message	83
Managing Message Settings	84
Deleting Messages	84
Setting Up Gmail Accounts	84

USING APLICATIONS	85
Camera	85
Calendar	
Clock	89
Calculator	91
Sound Recorder	92
Files	93
SAFETY INFORMATION GUIDELINES	94
Phone Specifications	
Additional Battery Information	96
Safety Guidelines	99
RF Device Warning	
EEA Market	111
ECO 1670 Regulation Requirements	113

**NOTE:** Device visuals and icons 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.

#### DISPOSAL OF OLD ELECTRICAL AND ELECTRONIC EQUIPMENT



The symbol of the crossed-out wheeled bin indicates that this product and any enhancements marked with this symbol cannot be disposed of as unsorted waste; instead, they must be taken to separate collection for end-of-life disposal.

# **GETTING STARTED**

# How To Use The Touchscreen

Familiarize yourself with the following finger actions, which are required to navigate the phone's features through the touchscreen.

HOME SCREEN	This is the screen displayed when the phone is in standby mode.
TOUCH AND HOLD	Touch and hold an item on the screen by touching it and not lifting your finger until an action occurs.
DRAG	Touch and hold an item for a moment, and then, without lifting your finger, move your finger on the screen until you reach the target position.
SWIPE OR SLIDE	Quickly move your finger across the surface of the screen without pausing when you first touch. For example, you can slide a home screen left or right to view the other home screens.
DOUBLE TAP	Tap quickly twice on a web page, map, or other screens to zoom.
PINCH	In some applications, you can zoom in and out by placing two fingers on the screen at once and pinching them together or spreading them apart.



**IMPORTANT:** Do not use sharp tools that can scratch the touch screen.

# **Charging The Battery**

The battery delivered with your mobile phone is not fully charged. We recommend fully charging your phone before first use.

### Optimal Charging Temperature Guidelines

For best battery performance and longevity, charge your smartphone within these temperature ranges:

- Acceptable charging temperature: 0°C to 45°C (32°F to 113°F).
- Optimal charging temperature: 20°C to 30°C (68°F to 86°F).

When battery temperature rises above 45°C (113°F), two negative effects occur:

- 1. Battery lifespan is reduced.
- Charging speed automatically slows down to protect the battery (fast charging naturally produces more heat, pushing your device into higher temperatures).

A USB PD (Power Delivery) fast-charging wall charger is required. For the best charging speed, the charger should be capable of delivering at least 18 Watts\* (10 Watts is the minimum, but this will result in slower charging).



**NOTE:** Only the power supplies with outputs that meet the Safety Extra Low Voltage (SELV) requirements<sup>2</sup> can be used for charging. The phone will only allow a maximum input voltage of 5V.



\*NOTE: If the battery is completely out of charge, the charging icon can take several minutes to appear when the charger is connected.

<sup>&</sup>lt;sup>2</sup> SELV (Safety Extra-Low Voltage) chargers are designed to ensure user safety by limiting the voltage and providing electrical isolation. Markings on the charger, indicating compliance, vary depending on the country or region in which it is intended for sale and use. Some common logos include "CE", "UKCA", "FCC", "Intertek", or "CSA". Typically, there is also a logo of a square within a square (□), which indicates the wall charger is double-insulated and does not require grounding.



WARNING! Do not replace an embedded (non-removable) battery pack. Improper replacement may present a risk of fire, explosion, leakage, or other hazards. Contact the manufacturer for a replacement. The device recognizes the battery via battery ID.

#### 1. INSERT CHARGER

Insert the charger plug into a power outlet.

#### 2. CONNECT TO THE PHONE

The charging port is located at the bottom of the phone. Insert the charging cable into the charging port.





**NOTE:** There is a risk of an explosion or fire if you charge or attempt to charge an incorrect battery in this phone.

## Charging Animation/Icon

- If the battery is charged when the phone is switched off, a battery charging animation with the current battery level is displayed.
  - After the battery is fully charged, the charging animation stops, and the battery level displays 100%.
  - o Please disconnect the charger from the phone.
- If the battery is charged while the phone is switched on, the battery icon on the status bar shows the lightning bolt, indicating that the battery is being charged.
  - After the battery is fully charged, the display shows "100%" next to the battery.
  - Please disconnect the charger from the phone. Once unplugged, the battery icon will return to a solid image.







# SIM Card

The SIM (Subscriber Identity Module) card associates your network services (for example, phone number, data services, etc.) with your phone. The Sonim XP400 device has a hybrid tray that supports dual 4FF SIM cards or one 4FF SIM card and one memory card (sold separately).



**NOTE:** Ensure that a valid SIM card is activated; otherwise, your device will not function properly on the network.



**CAUTION:** Any abrasion or folding could easily damage the SIM card, MicroSD card, or SIM card tray; therefore, please handle them with extreme care.

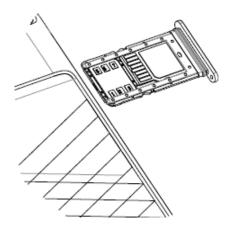
## Inserting a SIM or SD Card

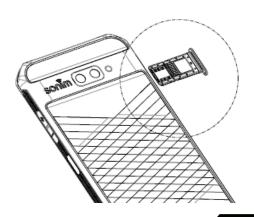
To install/replace a SIM or microSD memory card, <u>first</u> <u>power down the phone</u>.

 Pull out SIM/Micro SD card tray: Insert the Sonim SIM tool into the SIM/Micro SD card tray hole to pop out the tray.



- 2. Insert Micro SD card into the tray: With the phone facing down, insert the Micro SD card with the gold contacts facing up in the tray. You will notice that the SIM card (smaller card) is oriented 90 degrees and is at the front of the tray, while the Micro SD card (larger card) is in the second position.
  - If you have a second SIM card, replace the Micro SD card in the second location, but orient it 90 degrees in the tray.
- 3. Push in the tray: Gently push the SIM/Micro SD card tray into the slot.





# **USING YOUR SONIM XP400**



- 1. Secondary Microphone
- 2. Primary Microphone
- 3. USB Type C
- 4. Loudspeaker
- 5. Lanyard Notch
- 6. SIM/Micro SD tray
- 7. Programmable key
- 8. Notification Bar

- 9. Display
- 10. Android Hotseat
- 11. Front Camera
- 12. Volume Up/Down Keys
- 13. Power Key / Fingerprint
- 14. Flash LED
- 15. Rear Camera Package

# Switching On the Phone

Press and hold the Power button for 2 seconds to turn your phone on.

When the phone is switched on, it tries to register with the network. After successful registration, the name of the service provider is displayed.

# Phone Operations Without SIM Card

You can perform the following operations without inserting the SIM card in your phone.

- Make an emergency call.
- View & modify all settings except data usage and mobile network-related settings.
- Activate and share files through Bluetooth.
- Access the Internet using Wi-Fi connectivity.
- Access your phonebook, File Explorer, multimedia files & all tools and applications.
- View and modify your profile settings.

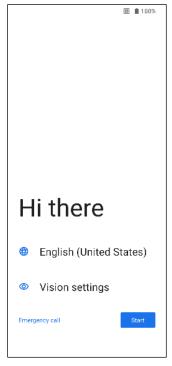
# Setting Up Your Phone

Follow the steps below to set up your device. For more information, follow the instructions displayed on your device screen.

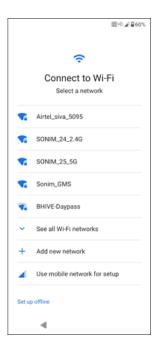
- This screen is displayed when you turn on your device for the first time. Follow the prompts to complete the setup process.
- 2. Tap on START and the following screen is displayed.

You have two options:

- Copy your data.
- Set up as new.



- 3. Tap on Set up as new, and the Connect to Wi-Fi screen is displayed. The device will start checking for updates.
- 4. Connect to a network to quickly set up your phone. If you are not connected to the network, you will not have the ability to:
  - Sign in to your Google account.
  - Restore apps & data.
  - Get software updates.
  - Automatically set up time and date.





**NOTE:** Connect to the available Wi-Fi network to download the apps or copy data.

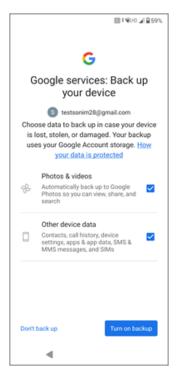
- 5. The Connect to mobile network screen appears.
  - a. Please refer to your service provider's SIM setup instructions.
  - b. Please see the quick start guide if you need to manually install the SIM card.
  - c. If no action is needed, tap Skip.



- **6.** The **Copy apps & data screen** appears. You can copy your data from any of the following methods:
  - A backup from an Android phone
  - A backup from the cloud
  - An iPhone® device
  - If you do not wish to copy the data, tap Don't copy.

- You can use different Google services. Tap on More to learn about the services.
- By tapping on Accept you agree to the Google Terms of Services.
- 9. After adding your Google account. The following screen will appear, asking if you want to use Google services to back up your Photos & videos and/or Other device data. Make your selections to proceed.





- 10. For added security, set up a screen lock.
- **11.** Follow the screen instructions to set up your backup screen lock method (PIN, Pattern, or Password).
  - a. If Fingerprint will be used, choose from the following combinations:
    - Fingerprint + Pattern
    - Fingerprint + PIN
    - Fingerprint + Password



**IMPORTANT:** When you reboot a device, the fingerprint and face unlock will not work. You must use PIN or password to unlock the device for the first unlock. After the first unlock, the fingerprint or face unlock will function as expected.

- 12. Set up your fingerprint. The fingerprint sensor is on the power button. Locate the fingerprint sensor and follow instructions by placing your finger on the sensor and lift the finger after you feel a vibration. Tap on Do it later to perform this task later.
- **13.** Now that the fingerprint has been added, you can use your fingerprint to unlock your phone or to approve any purchases. Tap on **Next** to proceed further.



**NOTE:** Your fingerprint may be less secure than a strong pattern or PIN.

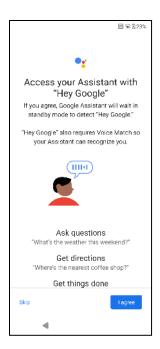


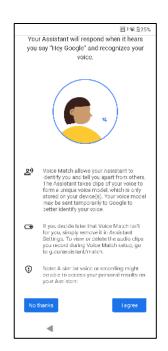
**NOTE:** You can add multiple fingerprints if multiple users use the same device.

 You can add another fingerprint by tapping on Add another. Otherwise, tap Next.



14. The screens below are displayed after setting up the screen lock and fingerprint. Continue to make your selections at the bottom of each screen to complete the initial set up.

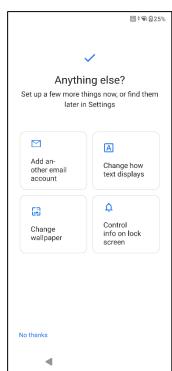






- You can also use the Settings menu to add another email account or set up other services.
- Tap on No, thanks to proceed to the Home Screen.





# Managing The Home Screen

After you complete the phone setup, the home screen is displayed. The home screen is the beginning point to access all the device's features.



- 1. Notification Indicators
- 2. Status Indicators
- 3. Google Search Bar
- 4. Home Screen
- 5. Applications

BUTTONS		DESCRIPTION
6. Back Button	<b>T</b>	Tap to return to the previous screen.
7. Home Button		Tap to display the main Home screen.
8. Recent Apps Button		Tap to display a list of recently used apps.  Double-tap to swap between your last two used apps

## Notification and Status Icons

The icons displayed at the top of the screen provide information about the status of the device. The details such as date and time, battery charge status, and data service are displayed when the phone is in standby mode. Other indicators such as Bluetooth connectivity status, airplane mode, alarm and Call Forward (only if Always Forward is enabled) and Wi-Fi connectivity are displayed, if the feature is activated. Not inclusive:

ICONS	DESCRIPTION
*	Bluetooth activated
	Wi-Fi connected
7	Battery charging in progress
	Battery level indicator
	Do not disturb
<u>*</u>	Flashlight
	Screen rotation
$\sim \Delta$	No signal
	Signal strength
	No SIM card
R	Roaming
<b>4G</b> ⁵	4G LTE network connected
4G	HSPA or UMTS network connected
•	Call in progress

earse .	
હ	Call forward (only if <b>Always forward</b> is enabled)
M	New E-mail
č	Missed call
<u></u>	New SMS or MMS
0	Alarm activated
Θ	Silent mode activated
•	Vibration mode activated
<b>4</b>	Airplane mode
(i)	Error/information notification - attention
.0:	Device storage space is running out

# **Notification Panel**

From the Home screen, swipe down on the Status bar to open the Notification panel. Swipe left or right on a notification to delete it, or tap **Clear all** to clear all event-based notifications.

# **Quick Settings Panel**

Swipe down on the Status bar again from the Notification panel. Tap a setting to turn it on or off. You can tap **Settings** ( ) to access full settings or tap **Power off** ( ) to turn your phone off.

# Setting Up and Using The Lock Screen

To protect your phone from unauthorized access, you must set up your lock screen feature and lock your device.

- 1. From the Home screen, swipe up to access the App screen. Scroll to and tap Settings ( ).
- 2. Scroll up and select Security & Privacy.
- 3. Select Screen lock and select one of the following options to configure the phone:
  - None: Disables the screen lock.
  - Swipe: This is not a lock and only requires a swipe of screen.
  - Pattern: When enabled, enter your own pattern. When the phone is locked, unlock it using the pattern. When the phone screen is locked, you can answer an incoming call, without unlocking the screen.
  - PIN: When enabled, enter your own PIN. When the phone is locked, unlock it using the PIN. When the phone screen is locked, you can answer an incoming call, without unlocking the screen.
  - Password: When enabled, enter your own Password. When the phone is locked, unlock it using the password. When the phone screen is locked, you can answer an incoming call, without unlocking the screen.

# Changing the Wallpaper

You can set an image, or a photo stored in your phone as your home screen wallpaper. To change the wallpaper, select from one of the following Wallpaper collections.

Touch and hold an empty space on the home screen, then tap **Wallpapers**. You can also access the Wallpapers menu from the Settings menu. From the home screen,

swipe up and tap **Settings > Wallpapers**. Select the wallpaper from the following folders.

- Live Wallpaper Picker
- Photos: It includes photos and screenshots taken using the phone's camera.
- Default Sonim wallpapers with Black Paint Sponge wallpaper.
- Wallpaper & style: Includes images that are pre-loaded with the phone.

# Capturing A Screenshot

You can take an image of what is on your screen, and it will be stored in the **Photos** or **Files** app.

To take a screenshot:

- 1. Ensure that the image to be captured is displayed on the current screen.
- Press the Power and Volume down keys simultaneously. The screenshot is captured and stored in Photos > Collections > Screenshots OR Files > Images > Screenshots.

# Making A Call

From the Home screen, tap Telephone ( 📞 ).

To dial a number, use one of the following options:

- Dial pad: Tap the Dial pad ( ), enter the phone number, and tap the telephone icon ( ) to make a call.
  - To dial an international number, include the respective country code before dialing the international phone number.
- Favorites: Tap the Favorites button to access your favorite contact list.
   Tap the contact you want to call.
- Recents: Tap the Recents button to access your call log. Tap the Telephone icon next to the contact, or tap the contact and then tap the number.
- Contacts: Tap the Contacts button to access the complete contact list, then tap the contact you want to call, and tap the phone icon to start the call.

# **SETTINGS MENU**

## **Network & Internet**

From the Home screen, swipe up to access App screen, and tap **Settings** ( ) > **Network & internet** ( ).

#### Wi-Fi Preferences

On the Wi-Fi screen, tap Wi-Fi preference.

- Turn on Wi-Fi automatically: Wi-Fi will be turned on automatically when you are near high-quality saved networks, like your home network.
- Notify for public networks: Enable this option to get a notification when a highquality public network is available.
- Passpoint: Enable or disable the function of seamlessly connecting to Passpoint<sup>TM</sup> enabled Wi-Fi access points without needing a password.

#### Connect To Network

- On the Wi-Fi screen, tap any of the listed Wi-Fi access points displayed on your device.
- 2. Enter the network password.
- 3. The other network setting details, such as Advanced options, Proxy, and IP settings, can be updated.
- **4.** Tap **Connect** to get connected to the network.

#### Wi-Fi

Wi-Fi is a wireless network technology that can provide Internet access at distances up to 100 feet, depending on the Wi-Fi router and surroundings.

You can access the Internet when you connect your XP400 to a Wi-Fi network. To connect your phone to a Wi-Fi network.

- 1. On the Network & Internet screen, tap Wi-Fi.
- 2. Turn ON Wi-Fi.
- 3. A list of Wi-Fi access points present within your phone's accessible range is displayed.
- 4. Select your preferred network. Enter the WEP/ WPS/WPA key (if it is a secure network) and select Connect. To verify the password before connecting, enable Show password.



**NOTE:** It is always recommended that you secure your Wi-Fi network connection and connect your phone to only a secure network.

#### Mobile Network

- 1. On the Network & Internet screen, tap Mobile network.
  - Mobile data: Turn On to enable data access on your mobile network.
  - International Data Roaming: Turn On to enable data roaming to connect to data services while roaming.
  - App data usage: View the mobile data usage of each app.
  - Data warning & limit: View the following data management options:
    - Preferred network type: Global is recommended however you can select LTE if you desire.

## Wi-Fi Calling

The default is OFF. However, turning this on allows your device to make and receive calls and send text messages via Wi-Fi networks or your carrier's network, depending

on your preference and which signal is stronger. This service may require additional activation from the service provider and may also result in additional charges. Before activating, please contact your service provider.

# Airplane Mode

When your phone is set in airplane mode, network connectivity or mobile data connectivity is disabled. But you can access your camera, media files and other features that do not require mobile data connectivity.

To activate airplane mode:

- 1. On the Network & Internet screen, tap Airplane mode.
- 2. Turn ON Airplane mode. You can directly enable or disable Airplane mode via the Quick Settings Panel.

## **Hotspot & Tethering**

Hotspot and Tethering provide Internet to other devices through your mobile data connection. Apps can also create a hotspot to share content with nearby devices.

On the Network & Internet screen, tap Hotspot & tethering.

#### **USB TETHERING**

Using USB tethering, you can share your phone's internet connection via USB. To enable USB Tethering, connect the device to the PC through a USB cable.

- 1. On the **Hotspot & tethering** screen, tap **USB tethering**.
- 2. Turn ON USB tethering.

#### **BLUETOOTH TETHERING**

- 1. You can share the phone's internet connection via Bluetooth. To do so, you must pair your Bluetooth with another device.
- 2. On the Hotspot & tethering screen, tap Bluetooth tethering.
- 3. Turn ON Bluetooth tethering.
- 4. Pair your Bluetooth device with another.

## Forget Network

- 1. On the Wi-Fi screen, tap the connected network.
- 2. Tap FORGET.
- 3. The selected network gets disconnected and displayed in the Wi-Fi list.
- 4. If you have to connect to the same network, tap the network and enter the password.

## **Modify Network**

- 1. On the Wi-Fi screen, tap connected network.
- Tap the Pen icon at the top right corner of the screen. You can change the network password and update other network settings, such as Advanced options, Proxy, and IP settings.
- 3. Select SAVE to save the changes.

## Wi-Fi Hotspot

Mobile hotspot uses mobile data from your data plan whenever you are not connected to Wi-Fi.

- 1. On the Hotspot & tethering screen, tap Wi-Fi hotspot.
- 2. Turn On to enable the mobile hotspot (When this option is disabled, you cannot share Internet or content with other devices).
  - Hotspot name: Set the hotspot name.
  - Security: Select the desired security from the drop-down list.
  - Hotspot password: The password must have at least 8 characters. AP Band: Select AP Band from the drop-down list.
  - Turn off hotspot automatically: Turn On to turn off the hotspot automatically if no devices are connected.
  - Extend compatibility: Turn On to help other devices find this hotspot and reduce hotspot connection speed.
  - Mobile Hotspot turn off timer: Set a timer for the hotspot to automatically turn off.
  - Maximum connections: Tap to set the maximum number of users allowed to connect to the hotspot.
  - Connected users: View your connected users.
  - Blocked users: View your blocked users.

#### **Data Saver**

Data usage refers to the amount of data your phone uses during data transfers through the Internet. The charges for data usage depend on the wireless plan provided by your service provider.

To monitor your data usage, adjust your data usage settings.

- 1. On the Network and Internet screen, tap Data Saver.
- 2. Turn ON Data Saver.
  - a. **Unrestricted data:** Set apps to be allowed to use restricted data when Data saver is on.

## **Connected Devices**

From the Home screen, swipe up to access the App screen, and tap **Settings** ( ) > **Connected devices** ( ).

#### Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to several Bluetooth devices, such as headsets and hands-free car kits, Bluetooth-enabled handhelds, computers, printers, and wireless phones. The communication range for Bluetooth is approximately 30 feet.

#### Pair New Device

To activate Bluetooth and pair your XP Pro device with other Bluetooth devices:

- 1. With Android 14, Bluetooth will automatically turn On when scanning for a new device.
- 2. Select the desired device from the list. It starts pairing with the selected device. A confirmation message is displayed to pair the device. Select Pair.

#### Connect to Bluetooth

- 1. Connection preferences and then Bluetooth.
- 2. Make sure that Bluetooth is enabled (turned on).
- 3. In the list of paired devices, tap a paired but unconnected device.



**NOTE:** When your phone and the Bluetooth device are connected, the device shows as "Connected."

#### Sonim BLE

If your Bluetooth device, which is being paired, supports Sonim BLE, you will need to follow these steps to complete the BLE process:

- 1. Refer to the Bluetooth section to pair your device.
- 2. Open the Sonim Scout app, then Utilities, then Sonim BLE Connect
- 3. Ensure the device you want to pair with BLE is powered on and in pairing mode. The Sonim BLE app will search for available devices. If your device is not listed, then you will be given an option to connect manually through the Sonim BLE Connect application.
- 4. The Sonim BLE Connect app will then show the connected status of those devices paired.

#### **Connection Preferences**

#### **NFC**

Near-Field Communication (NFC) is a set of communication protocols that enable two electronic devices, usually portable devices such as smartphones, to establish communication by bringing them within 4 cm of each other. NFC is turned ON by default.

On the **Connected devices** screen, tap **Connection preferences > NFC** to make Contactless payment options available. Tap **Contactless payments** to set up your payment method and default option.

#### Send Information Via Bluetooth

You can use Bluetooth to transfer files between your phone and another Bluetoothenabled device, such as a phone or computer. You can also send photos, videos, calendar events, contacts, and more.

#### **Receive Files**

When another device attempts to send a file to your phone via Bluetooth, you will see a request to accept the file. Tap **Accept** to receive the file.

To view the files you have received via Bluetooth, tap Connection preferences > Files received via Bluetooth on the Connected devices screen.

#### **Android Auto**

- Use Android Auto app to control your phone's maps, media, and messaging functions, with the Google Assistant while you drive. On Connected devices screen, tap Connection preferences > Android Auto.
- 2. View current running applications, manage default apps, and more.
- From the Home screen, swipe up to access App screen, and tap Settings > Apps.

## **Notifications**

#### Hide Silent Notifications in Status Bar

• On the **Notifications** screen, tap **Hide silent notifications** in status bar.

#### **Allow Notification**

• Turn ON this option to allow temporarily snoozing of certain notifications.

## Notification Dot on App Icon

- 1. On the Notifications screen, tap Notification dot on app icon.
- 2. Turn On this option to allow the display of notification dots on an app icon.

#### **Enhanced Notifications**

- 1. On the Notifications screen, tap **Enhanced notifications**.
- 2. Turn On this option to automatically show suggested actions and replies.
- 3. On Notifications screen, tap Allow notification.

# **Battery Settings**

From the Home screen, swipe up to access App screen, and tap Settings ( ( ) >



Battery ( ).



## **Battery Manager**

- 1. On the Battery screen, tap Battery Manager.
- 2. Monitor the amount of battery being used by apps. If battery usage increases too much, your phone will suggest actions you can take.

## **Battery Percentage**

- 1. On the Battery screen, tap Battery percentage.
- 2. Turn ON this option to show the battery percentage in the Status bar.

## **Battery Blink Light**

This feature is OFF by default; however, turning it ON allows the LED light to turn on when the device is charging or the battery is low.

## Reduce Battery Aging

This feature is **OFF** by default. When enabled, it limits battery charging to 80% capacity, which helps extend your battery's overall lifespan. This is beneficial for any situation where your device remains connected to a power source for extended periods, such as when using desk chargers, nightstand chargers, or vehicle mounts. Your phone will occasionally charge to 100% to ensure accurate battery capacity readings.

To activate this feature, go to **Settings > Battery > Reduce Battery Aging**.

## **USB Power Saving**

You can enable certain settings relative to USB charging.

Automatic power ON: The default is OFF, but turning this feature ON
will automatically power your device on when a USB device is
connected.

You also have two options related to powering your device OFF when tied to USB charging:

- Automatic power OFF: The default is OFF; however, turning this feature
   ON will allow you to set a specific time to power your device off.
- Automatic power OFF: The default is OFF; however, turning this feature ON will allow you to set the time (in hours) when your device will power off after being disconnected from USB power.

# **Battery Health**

- Manufacture date: Date the battery was manufactured, represented by month and year.
- First usage: Date the battery was first used, represented by month and year.
- Fully charged cycles: This is the number of times the device has used the battery capacity.
- Maximum capacity: The maximum capacity is an estimate of your device's current battery capacity compared to when it was new. A lower percentage means less usage time between charges. Battery endurance: A minimum of 1000 full charged cycles. After 1000 full charge cycles, the battery has, in a fully charged state, a remaining capacity of at least 80% of the rated capacity.

# Storage Settings

The Storage settings menu allows you to manage internal storage on your phone and provides menu choices for an optional SD card (not included).

From the Home screen, swipe up to access the App screen, and tap Settings ( )



> Storage ( = ).

## **Device Storage**

Use this section to manage your device storage. The default is OFF, but turning this on allows your device to remove backed-up photos and videos in 30-, 60-, or 90-day increments.

- 1. On the Storage screen, tap This device.
- 2. Tap a category to view the storage amount used by each app.
- 3. On the Storage screen, tap THIS DEVICE > > SD CARD to view files stored on your SD card.
- 4. Tap on **Settings** on the top right corner of the screen to access the following options:
  - a. Rename: Change the SD card name.
  - b. **Eject**: Eject the SD card to allow for safe removal.
  - c. Format: Format the SD card.

## Storage Manager

The storage manager removes backed-up photos and videos from your device.

- 1. From the Storage screen, tap Storage manager.
- 2. Turn ON Storage manager.
- Tap Remove photos & videos to set the types of photos and videos to be removed.
- 4. You can go to the **Files** app to manage and free up space by tapping **Free** up space.

# **Sound Settings**

Control your phone's audio, from ringtones and alerts to tap tones and notifications.

1. From the Home screen, swipe up to access the App screen, and tap Settings ( ) > Sound ( ).

### **Default Alarm Sound**

- 1. On the Sound screen, tap Default alarm sound.
- 2. Select the default alarm sound.
- 3. You can customize your own alarm sound by tapping **Add alarm**.ag the sliders to adjust the volumes of Media, Call, Notification, Ring, and Alarm.

### **Others**

There are sound and vibration settings.

#### DO NOT DISTURB

On the **Sound** screen, tap **Do Not Disturb**. Tap **TURN ON NOW** to turn ON Do Not Disturb mode. You can set Do Not Disturb behavior, exceptions, schedule, etc.

## **Phone Ringtone**

- 1. On the Sound screen, tap Phone ringtone.
- 2. Select a ringtone for incoming phone calls.
- 3. You can customize your ringtone by tapping Add ringtone.
- 4. Charging sounds and vibration: Turn ON this option to enable the charging sounds and vibration.
- **5. Touch sounds:** Turn ON this option to enable touch sounds.
- **6. Touch vibration:** Turn ON this option to enable touch vibration.

### Media

- 1. On the Sound screen, tap Media.
- 2. Turn ON Pin media player to have media player stay open in the Quick Settings Panel when the media session has ended.
- Turn ON Show media recommendations to show media recommendations based on your activities.

### Vibrate For Calls

- 1. On the **Sound** screen, tap **Vibrate for calls**.
- 2. Select the checkboxes to enable or disable vibration for calls.

### **Default Notification Sound**

- 1. On the Sound screen, tap Default notification sound.
- 2. Select the default notification sound.
- 3. You can customize your own notification sound by tapping Add notification.

# Display Settings

Adjust items such as wallpaper, brightness, screen timeout, and more. From the Home screen, swipe up to access the App screen, and tap **Settings**.

## **Display Size**

- 1. On the Display screen, tap Display size.
- 2. Drag the slider to make the items on your screen smaller or larger. Some apps on your screen may change position.

## **Brightness Level**

- 1. On the Display screen, tap Brightness level.
- 2. Drag the slider to adjust the screen brightness level manually.

## **Adaptive Brightness**

- 1. On the **Display** screen, tap Adaptive brightness.
- Turn ON adaptive brightness to automatically adjust screen brightness based on the lighting conditions.

#### Lock Screen

- 1. On the Display screen, tap Lock screen.
- 2. Set what and when to show when the lock screen is active.

### **Screen Timeout**

 On the Display screen, tap Screen timeout to select a time your screen will automatically go to sleep after the set amount of time. This setting also optimizes the battery power. 2. Screen attention by default, this feature is OFF. Prevents your screen from turning off if you are looking at it.

## **Night Light**

- 1. On the **Display** screen, tap **Night light** to add an amber tint to the screen, making it easier to look at your screen or read in dim light.
- 2. You can set the schedule and intensity of the night light on your screen.

### **Auto-Rotate Screen**

- 1. On the **Display** screen, tap **Auto-rotate screen**.
- 2. Turn ON this option to enable screen rotation automatically.

### Screen Saver

- 1. On the Display screen, tap Screen Saver.
- 2. Turn ON Screen Saver.
- 3. You can select to use either the Clock, Colors, or Photos as your screen saver.

### **Dark Theme**

Dark theme uses a black background to help keep your battery alive longer. Dark theme schedules wait to turn on until your screen is off. Turn ON Dark theme to automatically activate the feature daily from sunset to sunrise.

### Font Size

- 1. On the Display screen, tap Font size.
- 2. Drag the slider to set the font size of the text to be displayed on the screen.

# Wallpaper

Use Wallpapers to modify your screen display using either on-device wallpapers or your own photos. You can use a dark theme and change the grid layout.

# Accessibility

You can make websites and applications more accessible to people with disabilities when they are using mobile phones and other devices.

From the Home screen, swipe up to access App screen, and tap **Settings** ( ) > **Accessibility** ( ).

### Real-Time Text Call

- 1. On the Accessibility screen, tap Real-Time text (RTT) call.
- 2. Manage RTT call options.
  - RTT call button: Tap to select Always Visible to always have access to the RTT call button.
  - RTT transcript: Turn ON RTT transcript.

## **Text And Display**

On the Accessibility screen, tap **Text and display** to set font size, display size, bold text, color correction, color inversion, high contrast text, etc.

### Extra Dim

On the **Accessibility** screen, tap **Extra dim**. This will dim the screen beyond your phone's minimal brightness.

## **Timing Controls**

On the Accessibility screen, tap Timing controls.

- Touch & hold delay: Set the touch & hold delay to Short, Medium, or Long.
- Time to act (Accessibility timeout): Choose how long to show messages that ask you to take an action.
- Auto click (dwell timing): Enable automatic clicking when using a mouse and adjust the amount of time between the mouse stopping and the click.

## System Controls

On the Accessibility screen, tap System controls.

- System navigation: You can set system navigation by gestures or using the Back, Home, and Recent Apps buttons located at the bottom of the screen.
- Power button ends call: Enable ending calls by pressing the Power key.
- Auto-rotate screen: Enable or disable screen rotation.

## Vibration & Haptic Strength

On the Accessibility screen, tap Vibration & haptic strength.

#### Dark Theme

On the Accessibility screen, tap Dark theme.

Slide the switch to the ON position to access dark theme mode. You can set a dark theme schedule.

## Magnification

On the Accessibility screen, tap Magnification.

- Magnification shortcut: Turn ON magnification shortcut. Tap the magnification icon ( ) appeared on the bottom right corner of the screen to magnify your screen.
- Magnification type: Magnify full screen, part of screen, or switch between both options.

## **Caption Preferences**

On the Accessibility screen, tap Caption preferences.

Turn ON to show captions. You can also set captions to display language, text size, and caption style.

## **Audio Adjustment**

On the Accessibility screen, tap Audio adjustment.

### Glove Touch Mode

By default, this setting is OFF; however, turn it on to increase the capability of using your device with gloves.

**NOTE**: Enabling Glove Touch mode will make your display very sensitive, resulting in potentially false touches.

## **Accessibility Shortcuts**

On the Accessibility screen, tap Accessibility shortcuts.

- Accessibility button: Mange the settings on accessibility button, such as location, size, etc.
- Shortcut from lock screen: Allow feature shortcut to turn on from the lock screen.

## Text-To-Speech Output

On the Accessibility screen, tap Text-to-speech output.

- Preferred engine: Set the text-to-speech engine (Google is the default).
   Tap to manage text-to-speech settings.
- Language: Set the language for using this function.
- Speech rate: Drag the slider to adjust speech rate.
- Pitch: Drag the slider to adjust pitch.

# Security Settings

From the Home screen, swipe up to access the App screen, and tap Settings ( ) >



Security ( 🛅 ).



## Google Play Protect

On the **Security** screen, tap Google Play Protect. Google will regularly check your device and prevent/warn you of potential harm. Only apps on Google Play will be checked.

## Find My Device

On the **Security** screen, tap **Find My Device**. Find My Device helps you locate your device remotely, keeping your data safe if your phone is lost.

For more information on Find My Device, please use this link:

https://www.google.com/android/find

### SECURITY UPDATE

Check for new software updates for your device. On the **Device Settings** screen, scroll to Software Update and tap Check for Updates.

#### **SCREEN LOCK**

On the Security screen, tap Screen lock.

- None: Disable any screen lock.
- Swipe: Set swipe to unlock.
- **Pattern**: Set an unlock pattern. Follow the prompts to finish the settings.
- PIN: Set a PIN code as the screen unlock method.
- Password: Set a password as the screen unlock method.

## **Fingerprint**

In addition to unlocking your phone, you can also use your fingerprint to authorize purchases and app access.

On the **Security** screen, tap **Fingerprint**.



**IMPORTANT:** You cannot unlock via fingerprint on first boot / power on.

- 1. Enter your pattern, PIN, or password.
- 2. Put your finger on the sensor on the power key and lift after you feel a vibration. Keep pressing and lifting your finger to add the different parts of your fingerprint.
- 3. When finished, tap **Done**.
- Tap Add fingerprint to add another fingerprint.

#### UNLOCK YOUR PHONE WITH FINGERPRINT

Once your fingerprint is registered, you can put your finger on the power key to unlock the screen.

### **Face Unlock**

Unlock your phone by looking at it. On the **Security** screen, tap **Face unlock**.

#### SET UP FACE AUTHENTICATION



**NOTE:** To increase facial accuracy when attempting to unlock your device, we encourage you to ensure you are in good lighting when setting up the face unlock feature.

1. Enter your pattern, PIN, or password.

2. Keep your eyes open and make sure your face is fully visible and not covered by any object, such as a hat or sunglasses.

### UNLOCK YOUR PHONE WITH YOUR FACE

To unlock your phone, press the Power key to light up the screen and trigger Face Unlock automatically.

NOTE: Using Face Unlock works best in well-lit environments.

### **Smart Lock**

Unlock your device automatically under certain conditions. On the **Security** screen, tap **Smart Lock**.

- Your phone is being carried.
- You are near home or another trusted place.
- Your watch or another trusted device is nearby.

Add trusted place: Tap Add trusted place and follow the on-screen prompts.

After you unlock your phone, it stays unlocked as long as you are at or close to a trusted place.

Your phone will stay unlocked for up to 4 hours or until you leave one of your trusted places. For accuracy this uses your precise location.

Add trusted device: After you unlock your phone, it stays unlocked when it is connected to a trusted device listed above, like a Bluetooth watch or car system.

Your phone will stay unlocked for up to 4 hours or until it disconnects from all trusted devices.

When Smart Lock is active, you can force your phone to lock anytime. Just open the power menu and tap Lockdown.

## **Device Admin Apps**

On the **Security** screen, tap **Device admin** apps. You can Enable or Disable Device admin apps according to your preference.

## **Encryption & Credentials**

On the **Security** screen, tap Encryption & credentials.

- Encrypt phone: Your phone is already encrypted.
- Trusted credentials: View trusted security certificates.
- User credentials: View and modify stored credentials.
- Install a certificate: Install certificates from the SD card.
- Clear credentials: Remove all certificates.
- Certificate management app: Tap to view apps where the credentials can be used for authentication.
- On-body detection: Tap and slide the switch to the ON position to activate this feature. Your device will now be kept unlocked while it is on you. Smart Lock keeps your phone unlocked when it is with you.

## **Trust Agents**

- 1. From the **Security** screen, tap **Trust agents**. View your trusted agents.
- 2. Slide the switch to the ON position to turn them on.

## **App Pinning**

- 1. From the **Security** screen, tap **App pinning**.
- 2. Slide the switch to the ON position to turn it on.

When turned on, you can use app pinning to keep the current screen in view until you unpin.

# **Privacy Settings**

Secure your device, protect your data, and keep your privacy.

From the Home screen, swipe up to access App screen, and tap **Settings** ( ) >



Privacy ( \( \frac{\text{\text{\$\sigma}}}{\text{\$\color{1}}} \)).

## Privacy Dashboard

- 1. On the Privacy screen, tap Privacy dashboard.
- 2. Show which apps used permissions in the past 24 hours.

## Permission Manager

- 1. On the Privacy screen, tap Permission Manager.
- 2. Control permission for apps that use your camera, location, microphone, contacts, storage, etc.

### Camera Access

The default is ON for all apps and services.

## Android System Intelligence

- Use this to get suggestions based on the people, apps, and content you interact with.
- Device learning will provide recommendations based on your past interactions with people, apps & content.
- The keyboard option will show smart replies and paste suggestions.
- Clear data will erase what your device has learned. You can clear all device learned data in the last hour, last 24 hours or all time.

### Content

The Default is ON and this will allow apps to send content to the Android system.

## **Show Clipboard Access**

- 1. On the Privacy screen, tap Show clipboard access.
- 2. Turn ON this option to show a message when apps access text, images, or other content you have clipped.

## **Autofill Service from Google**

- 1. On the Privacy screen, tap Autofill service from Google.
- Turn ON this option to autofill your information from your Google Account.
   Fill in the categories with information you would like to autofill, such as address, payment methods, etc.

## Microphone Access

The default is ON for all apps and services.

### **Show Passwords**

- 1. On the **Privacy** screen, tap **Show passwords**.
- 2. Turn ON this option to display characters briefly as

you type passwords.

## Google Location History

- 1. On the Privacy screen, tap Google location history.
- 2. View your location history.

## **Activity Controls**

- 1. On the **Privacy** screen, tap **Activity controls**.
- 2. Choose the activities and information you allow Google to save.

### Ads

- 1. On the Privacy screen, tap Ads.
- 2. Control advertising ID and personalization.
  - Reset advertising ID: Replace your advertising ID with a new random number.
  - Opt out of Ads Personalization: Turn On this option to instruct apps not to use your advertising ID to build profiles or show you personalized ads.
  - o Ads by Google: Display Google ads.
  - Your advertising ID: Display your advertising ID.

# **Location Settings**

- From the Home screen, swipe up to access App screen and tap
   Settings ( ) > Location ( ).
- 2. Turn On location services.

## **Recent Access**

View a list of apps that have recently requested your location.

# **App Location Permissions**

View which apps have permission to access location services.

## **Location Services**

- Emergency Location Service: Turn ON Google ELS. If ELS is supported in your region, when you contact an emergency number your device may automatically send its location to emergency responders using ELS.
- Google Location Accuracy: Turn ON this option to use GPS, Wi-Fi, Bluetooth, mobile networks, and sensors to determine your location.
- Google Location History: View your location history.
- Wi-Fi scanning: Turn ON this option to improve location services by allowing the system apps and services to detect Wi-Fi networks at any time.
- Bluetooth scanning: Turn ON this option to improve location services by allowing the system apps and services to detect Bluetooth devices at any time.

## Safety & Emergency

Enter your medical and emergency information, view emergency alerts, and manage settings on emergency SOS and location service.

From the Home screen, swipe up to access App screen, and tap Settings ( ( ) >



Safety & emergency ( \*).

## **Emergency Information**

Add medical information and emergency contacts to help first responders in an emergency. Anyone can read this information from your lock screen and dial your emergency contacts without needing to unlock your phone.

On the Safety & emergency screen, tap Emergency information.

- Medical information: Add your medical information, such as your name, address, blood type, allergies, etc.
- Emergency contacts: Choose contacts as your emergency contacts to be accessed from the lock screen in case of an emergency.

## **Emergency SOS**

On the Safety & emergency screen, tap Emergency SOS. Turn ON Emergency SOS.

If you have an emergency and need emergency services, press the Power key 5 or more times quickly.

 Play countdown alarm: Turn ON this option to play a loud sound when Emergency SOS is starting.

## **Emergency Location Service**

On the Safety & emergency screen, tap Emergency Location Services (ELS).

Turn ON the Emergency Location Services (ELS) function.

When you call or text an emergency number, your device will use ELS to automatically send your location to emergency responders.

## Wireless Emergency Alerts

On the Safety & emergency screen, tap Wireless Emergency Alerts.

- Turn ON Wireless Emergency Alerts function to receive alerts.
- You can also view emergency alert history and manage alert preferences.

## Passwords & Accounts

From the Home screen, swipe up to access the App screen, and tap **Settings** ( ) >



Passwords & accounts ( 2 ).



#### **Passwords**

See, change, or remove passwords you saved in your Google Account.

### **Autofill Service**

Autofill your information when needed from your Google Account. Fill in the categories with information you would like to autofill, such as addresses, payment methods, etc.

### Add Account

On the Passwords & accounts Screen, tap Add account.

- Tap the type of account you want to add.
- Follow the prompts to enter your credentials and set up the account.

## **Automatically Sync App Data**

On the Passwords & accounts Screen, tap Automatically sync app data.

- Turn ON this option to activate automatic data syncing.
- Call for help: Tap to edit your emergency number.

# Digital Wellbeing & Parental Controls

From the Home screen, swipe up to access the App screen, and tap Settings ( )



> Digital Wellbeing & parental controls ( 🍪 ).



## Digital Wellbeing

Use app timers and other tools to keep track of screen time and unplug more easily. Show your data to view the detailed information.

- Ways to disconnect:
  - Dashboard: View your screen time and set timers for your apps.
  - Bedtime mode: Set a bedtime schedule to disconnect from your phone and avoid interruptions while you sleep.
  - Focus mode: Pause distracting apps when you need time to focus.
- Reduce interruptions:
  - Manage notifications: Enable or disable the notifications of apps.
  - Do Not Disturb: Mute your device but allow exceptions such as calls or texts from certain contacts.
  - Show icon in the app list: Slide the switch to the on position to enable icons in the app list.

# Google

Configure your device's Google settings. Available options depend on your Google Account.

From the Home screen, swipe up to access App screen, and tap Settings ( ) > Google ( ).

### Account

If you have not logged in to your Google Account yet, you can use this menu to sign in.

- 1. On the Google screen, tap Sign in to your Google Account.
- 2. Tap Google Account.
- 3. Follow the screen instructions to finish the setup.

### Parental Controls

Add content restrictions and set other limits to help your child balance their screen time.

- 1. Tap Set up parental controls to adjust parental controls settings.
- 2. Follow the screens to finish the setup.

### Services On This Device

- On the Google screen, a list of services is displayed under Services on this device.
- 2. Select an option to customize your Google Account settings.
- To find out more about the available Google services on your device, select a Google service.

## **Others**

- Tap Search Help (?).
  - Describe your issue in the "Describe your issue" search bar.
  - View Popular help resources.
  - Send feedback ( ) icon to send feedback.
  - Tap Options on the Help screen. You can clearly see the help history, view version info, etc.

# **System**

Manage detailed settings for your phone, including language and input settings, gestures, date, and time, reset options, etc.

From the Home screen, swipe up to access App screen, and tap **Settings > System**.

## Languages

You can set the phone language and input options to any of the languages displayed in the language lists.

### Preferred Language

- System Languages
  - Select any desired language from the list as your preferred language. All the menu items and user feedback messages will be displayed in the set language.
  - English is set as the default language. You can change this if you prefer to have a different default language.

- To add a language, tap Add a language, then select the language you want to add.
  - When more than one language has been added, you can touch and hold the language, then drag it up to the first position to set it as the default display language.
  - To remove a language, tap ( ) > Remove.
    - > Select the check box next to the language you wish to remove.
    - Press the trashcan icon.
    - You will then see a message displayed, "Remove selected language?"
    - Press on Remove or Cancel

### App Languages

- Set the language for each app.
- Regional preferences
  - Set units and number preferences.

### Speech

- Voice input
  - Speech Recognition and Synthesis from Google. To edit the settings, tap the Settings (\$\overline{\psi}\$) icon.
- On-device recognition
  - On-device speech recognition. Manage offline languages.

### Text-to-speech output

- Preferred engine: The preferred engine is set to Google Text-to-speech Engine. To edit the settings, tap the Settings (\$\overline{\pi}\$) icon.
- Language: By default, the Language is set to Use system language. You can select any other language from the list.
- Speech rate: You can adjust the speech rate to your comfortable speed.
- o Pitch: You can select the desired pitch rate.
  - Play: Tap Play to hear the audio of the speech synthesis example.
  - Reset: Tap Reset to reset the settings.

## Keyboard

The following options are displayed under Keyboard & inputs.

#### On-screen keyboard

- G-Board: You can use Google keyboard which is multilingual typing keyboard.
- Google voice typing: You can use Google voice typing for entering the text instead of using the keyboard.
- Manage on-screen keyboards: From this menu, you can enable and manage different keyboards available to you. You can find more On-Screen keyboard apps in the Google Play Store.

#### Physical keyboard

Use on-screen keyboard: Enable this option to keep it on screen

while physical keyboard is active.

Keyboard shortcuts: Display available shortcuts.

#### **Tools**

- Spell checker
  - Tap Use Spell checker to enable.
  - Languages: By default, the Languages are set to Use system language. You can use any other language from the list.
  - Default spell checker: You can select the Google spell checker for spell checking. Tap Settings ( ) and enable Look up contact names so that the Spell checker uses entries from your contact list.
- Personal dictionary: Tap ( + ) icon to add a custom word in. Type a word field and Shortcut also to the personal dictionary.
- Pointer speed: You can maximize or minimize the Pointer speed to your desired level.

### Gestures

You can use this menu to manage gestures on your device. From your Home screen, scroll to **Settings > System > Gestures**. The following options are displayed:

- Quickly open camera
  - Enabling this option allows you to activate the camera by pressing the power button twice from any screen. This gesture works from any screen.
- Toggle Flashlight
  - NOTE: Sudden movements can activate the flashlight

unintentionally. Please note that the flashlight can generate heat so please check this setting to ensure your device is performing as expected.

### Navigation mode

- Gesture navigation:
  - Tap to enable gesture navigation.
    - ➤ To go to the Home screen, swipe up from the bottom of the screen.
    - To switch apps, swipe up from the bottom, hold, then release.
    - ➤ To go back to the previous screen, swipe from either the left or right edge.
    - ➤ Tap on the (♠) icon to change Gesture Navigation settings like digital assistant options and screen edge sensitivity.
- 3-button navigation: This option is enabled by default. It is the triangle, circle, and square that are visible at the bottom of the screen.

### Press and hold power button

**Power menu**: By default, the phone will display the power menu.

**Digital assistant:** Press and hold the Power key to access Google Assistant. This setting is OFF by default.

Enabling this setting will allow you to access Google Assistant by pressing & holding the Power Key. With this enabled, when you need to access the

- **Power & Emergency menu**, press the Power key and the Volume Up key simultaneously.
- Prevent ringing: Press the Power key and the Volume up key together to activate Vibrate or Mute mode.

### **Date and Time**

- Set time automatically: Synchronize the date and time with the networkprovided time. NOTE: This requires an active SIM card.
- If the **Set time automatically** feature is turned OFF (disabled), the following two options become editable.
  - Date: To set the date manually, select Date. Scroll and select the date, month, and year. Tap OK.
  - Time: To set the time manually, select Time. Scroll and select the hour and minute.

#### Time zone

- **Set automatically**: Enable synchronization of the time zone with the network-provided time zone.
- Use location: when enabled, location may be used to set the time zone.
- Time zone: You may manually choose a Region and Time zone when the Set automatically feature is OFF.

### Time format

- Use locale default.
- Use 24-hour format: Enable feature to set the clock to 24-hour format. By default, the phone is set to 12-hour format.

## Backup

If you need to replace your device or erase its data, you can restore your data for any accounts that were previously backed up. To use this feature, you will need to add a Google account to your device.

To back up your data:

- 1. On the **System** screen, tap **Backup**.
- 2. Turn ON Backup by Google One. Tap Account.
- 3. You can easily restore your data or switch phones at any time. Active backups include, amongst others:
  - a. App data
  - b. Call history
  - c. Contacts
  - d. Device settings (including Wi-Fi passwords and permissions)
  - e. SMS text messages
- 4. When you turn Off Backup by Google One, a confirmation message is displayed; Turn off and delete backup?

Current device's backup data in Google drive will be permanently deleted. Per default, Backup only uses Wi-Fi connections to back up your data.

## System Update

The phone's current Android version is shown.

- 1. On the **System** screen, tap **System update**.
- Tap Check for updates. If a software update is required, the system initiates the update process.

## **Multiple Users**

You can share this device with other people by creating additional users.

- 1. On the **System** screen, tap **Multiple users**.
- 2. Turn ON the Multiple Users function.
- 3. The following options are displayed:
  - a. **Time zone**: To set the time zone, tap **Time zone**. Scroll and select your time zone. This option is enabled when Set time zone automatically is turned OFF.
  - b. Use locale default: Use the default time format. You (Owner): Enter a name. Tap ( ) to add a photo.

#### Guest

- Add guest: Add a guest role. A guest profile is for someone using your
  phone for a short time. Like a user, the guest profile has its own space on
  the device, but it is easier to delete this space when a guest is done with
  the device.
  - Add user: Set up a new user.
  - Add user from lock screen: You can add users directly from the lock screen.
    - Slide the switch to turn this option On.
    - From the lock screen, drag the status bar down to display the quick settings panel.
    - Tap to access the User settings screen, and Tap Add guest or Add user to add users.
- To switch users, from the Multiple users' screen, tap the name of the

user you want to switch to. Restart the phone to switch back to the Owner/Admin profile.

To delete users, from the Multiple user's screen, tap the user you want to delete. Tap Delete user > DELETE to remove the user. Other users can delete their own profiles by tapping (\*) > Delete [name of user] from this device > DELETE.

NOTE: All apps and data stored on the user's profile will also be deleted.

- Erase all data (factory reset): Tap this option to erase all data from your phone's internal storage. The data includes.
  - Your Google Account
  - System and app data and settings
  - Downloaded apps
  - o Music
  - Photos
  - o Other user data

Tap Erase all data and reset the device. A message is displayed: "All of your personal information and downloaded apps will be deleted? You cannot undo this action!"

Tap Erase all data to erase all the data.

## **Reset Options**

- 1. On the **System** screen, tap **Reset options**.
- 2. The following options are displayed:
  - Reset Mobile Network Settings: This will reset all mobile network settings.

- Reset Bluetooth & Wi-Fi: Tap Reset to reset all Wi-Fi & Bluetooth settings. You cannot undo this action.
- Reset app preferences: Tap this option to reset the following preferences for:
  - Disabled apps
  - o Disabled app notifications
  - Default apps
  - Background data restrictions for apps
  - o Any permission restrictions

During this task, you will not lose any app data.

 Erase all data (factory reset\*): Completely wipe your device clean as if it were brand new from the factory.

#### \*BACK UP YOUR IMPORTANT DATA FIRST!



WARNING! The factory data reset function deletes EVERYTHING from your device, including your Google account, all apps and app settings, all contacts, photos, downloaded music, and text messages. Back up important data before proceeding, as you will not be able to recover it if you do not.

## **About Phone**

To access specific information about your device, from the Home screen, swipe up to access the App screen, scroll to and tap **Settings > About phone**.

The following information is displayed:

• **Device name**: Tap on this to show your device name. You can change this. Note that this is what others will see when/if you connect to Bluetooth devices, Wi-Fi networks, or hotspots.

- Phone number (sim slot 1): Tap to show information.
- Phone number (sim slot 2): Tap to show information.

### Legal & regulatory

- Legal information: Tap to see details.
- E-label: Tap to see details to include IMEI barcodes.

#### **Device details**

- SIM status (sim slot 1): Tap for more details about the SIM card and connected mobile network.
- SIM status (sim slot 2): Tap for more details about the SIM card and connected mobile network.
- Model: Tap for Type number, and serial number.
- IMEI (sim slot 1) (primary): Tap to show information.
- IMEI (sim slot 2): Tap to show information.
- Android version: Tap for more detailed information about Android module version numbers.

#### Device identifiers

- IP address: The device IP address is displayed.
- Wi-Fi MAC address: MAC addresses are only available when the service is enabled. IP addresses are only available when the device is connected to Wi-Fi or mobile data.
- **Device Wi-Fi MAC address**: The device Wi-Fi MAC address is displayed.
- Bluetooth address: This address is used to identify the phone when connecting to other Bluetooth devices.
- Up time: Displays the measurement of time in hours since the device was last restarted or powered up.

• Build number: This is the Software version of your device, and it is important that you keep this updated with the latest improvements and enhancements to the device software package.

# MANAGING CONTACTS

The phonebook allows you to store phone numbers and other contact details. This feature enables you to add and dial phone numbers, as well as send SMS and MMS messages. From the Home screen, swipe up to access the App screen, scroll to and tap the **Contacts** ( ) app.

# **Adding A Contact**

When you switch ON the device for the first time, there are no contacts added to the device or SIM. Contacts can be imported when you synchronize your Google account.

## Contacts App

## Creating A New Contact

- 2. Enter all the details, select where to save the contact, and tap SAVE.
- 3. The contact is added to the phonebook.

### To add a new contact from the dialer/phone path:

- 1. Tap the Phone ( \( \sqrt{s} \) app on the home screen.
- 2. Tap on the dialer ( iii).
- 3. Enter the phone number.
- 4. Tap Create new contact. Enter all the details and tap SAVE. The contact is added to the phonebook. If you would like to add a picture to the Contact, tap on the camera icon at the top and follow the prompts.

## **Editing Contact Details**

- 1. On the Contacts screen, scroll to the required contact and tap the contact to view details.
- 2. Tap the Edit ( ) which is present in the top right corner.
- 3. Edit the required details. Tap **SAVE** to save the details.
- 4. You can use the phonebook to maintain phone numbers and other information about your contacts. This feature enables you to add, dial phone numbers, and send SMS and MMS messages.
- 5. From the Home screen, swipe up to access the App screen, and tap Contacts.

**Blocked numbers**: You will not receive any calls or text messages from the blocked numbers.

- 1. Tap Add a number.
- 2. Enter the number to be blocked and tap **Block**.
- 3. The number is blocked, and you will not receive any call or message from that number. You can block calls from unidentified callers.

## Sending A Message from Contacts

You can send SMS and MMS messages to contacts in your phonebook. On the Contacts screen, scroll to the desired contact and tap to open it.

- 1. Tap Messages ( ).
- 2. The Messages screen is displayed. Enter the message.
- Tap Attach ( ) to attach GIF, Stickers, Location, Contact, or Attach files.
- 4. Tap SMS to send the message.

NOTE: Only contacts saved on the device can be added.

#### Searching A Contact

On the Contacts screen, tap to enter the first few letters/numbers of the contact. name/phone number to be searched.

- 1. Accounts: Manage accounts.
- Default account for new contacts: Set default account for new contacts, Google Account, Device.
- Contacts to display: Choose to display all contacts or customized contacts.
- 4. Sort by: Sort the contacts by their First name or Last name.
- 5. Name format: Set contact name format.
- 6. Phonetic name: Choose to always show phonetic name or hide if empty.
- 7. Import: Tap the .vcf file to import contacts from your Google Account (if it is configured) or phone.
- 8. Export:
  - a. Export to .vcf file: The contacts are saved as contacts.vcf. Tap SAVE and a toast message is displayed; Contacts will be exported shortly.
  - b. **Share all contacts:** Tap Share all contacts, follow the toast message to finish exporting contacts by:
  - c. Scroll down the notification bar, select exporting contacts items from notification curtain. All the contacts containing the searched text are displayed.

## **Sharing A Contact**

- 1. On the Contacts screen, touch and hold the desired contact to select it.
- 2. Tap Share ( ) and you can use several modes to share the contact.

#### **Deleting A Contact**

- On the Contacts screen, touch and hold the desired contacts to select them.
- 2. Tap Delete ( 🗓 ).
- A confirmation message is displayed; These contacts will be deleted. Tap Delete to confirm.
- 4. The contacts are deleted.

#### **Dialing A Number Via Contacts**

- From the Home screen, swipe up to access App screen, and tap Contacts
   ( ).
- 2. Scroll to the contact and tap the contact. The contact details are displayed.

# MANAGING CALL SETTINGS

From the Call Settings screen, you can adjust volume levels, ringtones, vibration options, and other settings, like the settings for your voicemail.

You can also customize the sounds and volume levels of the ringtones, alarms, and navigation feedback.

From the HOME screen, Tap the Phone ( ), then tap Options ( ) on the top right corner of the screen, then tap **Settings**.

# **Display Options**

From here, you can set how your contacts are displayed in the address book.

- Sort by: Use this to sort your address book by first name or last name.
- Name format: Use this to sort your address book by first name first or last name first.

## Sounds And Vibrations

This submenu enables you to adjust the volume levels for your media, in-call audio, ringtone, notification, and alarm sounds.

- Do Not Disturb: You can turn Do Not Disturb on or off, and from here you can also identify specific people, applications, alarms & sounds, reminders, and calendar events that can override the Do Not Disturb mode.
  - You can activate a Do Not Disturb schedule and specify which events can be included in Do Not Disturb management.
- Duration for Quick Settings: Determine the duration of your quick settings. Choose between Until you turn it off, For 1 hour, or Ask every

time.

- Display options for hidden notifications: Determine how your options for hidden notifications are when Do Not Disturb is on:
  - You will see notifications on your screen but no sound,
  - You will not see or hear notifications, or
  - You can set custom settings based on when the screen is off or on
- Phone Ringtone: Use this submenu to set the preferred ringtone for incoming calls.
- Live Caption: Live Caption detects speech on your device and automatically generates captions. Settings allow you to choose languages, suggest detected languages, set your caption preferences, hide profanity, display sound labels, and adjust volume control.

#### Media:

- Pin media player: Enable this feature to quickly resume playback as the media player will stay open in the Quick Settings panel.
- Show media on lock screen: Enable this feature to quickly resume playback as the media player will stay open in the Quick Settings Panel.
- Show media recommendations: Based on your activity, recommendations will be displayed for your consideration.
- Vibration & Haptics: You can enable ring vibration, set the device to vibrate first then ring gradually, set your notifications & alarms to vibrate, and allow touch feedback and media vibration.
- Shortcut To Prevent Ringing: Enabling this feature allows you to vibrate
  or mute the ringing when you press the volume up and power buttons
  together.

- **Default Notification Sound:** Select the default sound for notifications that are received by your device.
- **Default Alarm Sound:** Select the default sound for alarms that will play when an alarm is activated.
- Dial Pad Tones: Enable this, and tones will be played when dial pad buttons are pressed.
- Screen Locking Sound: Enable this for a sound to be played when the screen is locked.
- Charging Sounds and Vibration: Enable this for sound/vibration to be played when the device goes into charging mode.
- Tap & Click Sounds
- Always Show Icon When in Vibrate Mode

# **Quick Responses**

Four quick responses are available here for use in responding to SMS or MMS messages. Each of these can be edited. Tap the response and edit it as desired.

# **Speed Dial Settings**

Use this submenu to assign specific numbers as Speed Dial numbers. Tap on the desired location (2-9) and either type the number directly or click the Contact icon on the right side of the input, then select a saved contact from your phone book.



**NOTE:** Location 1 is permanently saved for Voicemail. This cannot be changed.

To make a Speed Dial call, press and hold the number of the speed dial contact.

You can edit these numbers at any time by pressing and holding on to the Speed Dial and tapping **REPLACE**. Type in the new speed dial number and press **OK**.

# **Calling Accounts**

#### From here you can:

- Activate Wi-Fi calling when the mobile network is not available.
- Activate video calling.
- Set calls to auto-answer between 3 and 30 seconds.
- Boost the speaker during a phone call.
- Set Call Forwarding\*
  - Always forward
  - When busy
  - When unanswered
  - When unreachable
- Call Barring\*
  - All outgoing
  - Outgoing international
  - Outgoing international roaming
  - All incoming
  - Incoming international
  - Deactivate all
  - Change password
- Additional Settings\*
  - Caller ID
  - Network default
  - Hide number
  - Show number

- Call Waiting
  - Enable to disable being alerted during a call when you receive an incoming call.

## **Blocked Numbers**

- Unknown: Enable Unknown to block calls from unidentified callers. This will cause the UNKNOWN CALLER to go directly to voicemail.
- Add a number: Tap Add a number and on the next screen, add the number you would like to block. Then tap Block.

## Voicemail

From this submenu, you can change various settings for voicemail sounds & notifications.

- Notifications: Show Notifications: Turn ON Voicemails.
- **Default**: May ring or vibrate based on phone settings.
- Silent: Make sound and pop on screen.
  - Pop on screen: when the device is unlocked, show the notification as a banner across the top of the screen. You can turn ON the option.
  - Sound: The default notification sound is selected. You can select any other sound from the list.
  - Vibrate: Turn On to get the vibration when a voicemail is received.
  - Blink light: Turn On the toggle button to enable the blink light when a voicemail is received.

<sup>\*</sup>These are network-related features. Menu options will only be visible based on your provider's network offerings.

- Show notification dot: Turn On the toggle button to show a notification dot when a voicemail is received.
- Override Do Not Disturb: Turn On this option when notifications continue to interrupt when Do Not Disturb is set to Priority only.

#### Advanced Setting:

- o Service: Displays your carrier's name
- Setup: You can set a number for your voicemail

# Accessibility

- TTY Mode: If you enable TTY mode, hearing-impaired individuals can send and receive phone calls as text over the phone. Tap TTY mode to view and modify TTY mode with the following options:
  - TTY Off: disables TTY mode.
  - TTY Full: enables TTY mode for both incoming and outgoing calls.
  - TTY HCO: enables TTY mode only for incoming calls.
  - TTY VCO: enables TTY mode only for outgoing calls.
- Hearing aids: Turn it on for hearing aid compatibility.
- Real-time text (RTT) call: Tap Real-time text (RTT) call, and the two options are displayed:
  - RTT call button: Tap to select Always Visible to always have access to the RTT call button.
  - o RTT transcript: Turn ON RTT transcript.

### **About**

From this submenu, you can view the build version, Open source licenses, Privacy policy, and the Terms of service.

# Caller ID & Spam

Caller ID and spam protection are on by default. You can choose to turn it off. To use caller ID and spam protection, your phone may need to send information about your calls to Google. It does not control whether your number shows when you make calls.

- On your device, open the Phone app ( \sum\_ ).
- 2. On the Phone screen, tap Options (\*).
- 3. Tap Settings > Caller ID & Spam.
- 4. Turn See caller & spam ID on or off.
- 5. Optional: To block spam calls on your phone, turn on "Filter spam calls." You do not get missed calls or voicemail notifications, but filtered calls are in your call history, and you can check your voicemail. For devices that have an automatic Call Screen feature, there's no 'Filter spam calls' option. Spam autoblocking is one of the automatic Call Screen options.

Please follow this link for more information:

https://support.google.com/phoneapp/ answer/3459196?hl=en

# Sending Messages And Emails

SMS and MMS are convenient and inexpensive means of communication. You can send a text message to other people via SMS service. MMS allows you to send messages by including multimedia content such as pictures, audio files, video files and so on.

You can use the Messages app on your phone to send SMS and MMS messages to other mobile phones or any other device that supports SMS and MMS.

An active mobile data connection is required for sending an MMS. This option will only appear when Mobile Data is toggled off!

To be able to send MMS when mobile data is off, please go to Device Settings/Network & Internet/Mobile network/ MMS messages.



**NOTE:** The MMS feature will be available only if subscribed from your network operator. .

From the Home screen, swipe up to access the App screen, and tap the Messages ( ) icon.

# Sending SMS/MMS Message

You can send SMS and MMS messages to contacts in your phonebook and to new numbers that are not present in the phonebook.

- 1. On the **Messages** screen, tap **Start chat**.
- 2. Enter the contact's name or the phone number in the **To** field.
  - When entering letters, contacts starting and containing the entered letters are displayed. Scroll down to select the desired contact.
- 3. Type the message into the message field.
  - When you add an attachment, the message automatically converts to a multimedia message.
- 4. You can add any multimedia attachment up to the size of <=1 MB\*.
  - To add an attachment, tap the Attach ( + ) icon.
  - Select the attachment type from the options in the next step. \*File size may vary based on carrier requirements.
  - Select the multimedia file to be attached.

# Managing Message Settings

You can customize the way you want to view and filter the messages. You can also set the default messages application.

To view and modify the message settings,

- 1. On the Messages screen, tap Options ( ) > Settings.
- 2. View and edit the following settings:
  - Auto remove messages
  - Blocked numbers
  - Notifications
  - Outgoing message sounds
  - Advanced

## **Deleting Messages**

To delete messages,

- 1. Tap **Delete** ( 🗓 ).
- 2. A confirmation message is displayed. Tap Delete to delete the message.

**OR** 

- 1. Tap and open the message to be deleted.
- 2. Tap Options ( ) > Delete thread.
- 3. A confirmation message is displayed. Tap **Delete** to delete the message thread.
- 4. To delete a single message, select a particular message and tap Delete ( III ).

# Setting Up Gmail Accounts

You must configure your Gmail account to access your e-mail box and e-mail services.

# **USING APLICATIONS**

## Camera

The Sonim XP400 has a 50MP Main and 5MP ultra-wide rear camera, and an 8MP front camera with fixed focus for taking pictures. The saved pictures can be accessed either by the Photos app ( ) or by clicking on the gallery button just below the Slow-Motion icon.

- 1. From the Home screen, swipe up to access the App screen, and tap Camera ( ).
- 2. Camera mode ( ): Tap soft key to capture the picture. Use the Volume Up and Down key to work as alternative keys for capturing pictures. By pressing and holding the VOLUME UP or VOLUME DOWN key, you can activate Continuous Shot, taking up to 10 pictures in rapid succession. Releasing the key, you can activate Continuous Shot, taking up to 10 pictures in rapid succession. Pressing the button at any point during the long press will end the continuous shot.
  - Tap on Flash ( ): to activate or deactivate, you can also change it to auto or use it as flash.
  - Tap on Filter ( ) to choose the effect you like from the options listed.
  - Tap on AI to enable or disable auto scene detection.
  - Tap on Aspect Ratio (4:3) to choose from among full screen; 16:9; 4:3 and 1:1.
  - Tap on Google Lens ( ) to let you search what you are seeing. Using a photo, or almost any image, Lens helps you discover visually similar images and related content, gathering results from all over the internet.

- Tap on Ultra-wide ( ) to have a wider viewfinder (from 80° to 120°). This applies to both camera mode and video mode.
- 3. In Camera, tap on Options ( ooo ) > Settings.
  - Touch shot: By enabling it, you can take a picture by pressing any place within the viewfinder.
  - Self-timer: You can choose from 3 seconds, 5 seconds, and 10 seconds when you want to enable it; the picture will be taken by delaying the chosen timer.
  - Shutter sound: You can disable the shutter sound by tapping on the option.
  - Framing lines: You can enable the framing line to have a reference on the vertical and horizontal direction when taking a picture.
  - Geo tagging: It records coordinates where pictures are taken, you
    can find those data in picture details.
  - Picture size: You can choose between 12.5M, 50M, 9M, 8M and 5M, it also has impact on the aspect ratio when you change picture size (Default is 4:3 picture size).
  - Water mark: Date info can be printed on the picture taken if this option is enabled.
  - Restore defaults: All the settings changed by you will be restored to out of factory settings.
  - Mirror: This feature is only available when using the front camera.
     When the mirror setting is enabled, your camera snaps a photo that is your mirror image instead of flipping your image as a camera usually does.

- 4. No matter what mode you are in, tap on **Options > Modes**.
  - Tap on Professional, there are several professional settings provided for you to manually adjust parameters for picture taking, you can move the slider to change the settings below: Shutter speed ( ); Exposure ( ); ISO ( ); White balance ( ); Manual focus ( )
  - Tap on Time lapse, choose the speed by changing the slider, and press the video button to start recording.
- Video: tap on soft key to start recording, you can pause/resume recording as needed.
- 6. Slow motion ( ): tap on soft key to start recording, you can pause/resume recording as needed. In slow motion mode, the motion pictures appear to be moving at a slower rate than usual. Slow motion will record in 720p.
- 7. Bokeh ( ): bokeh is the pleasing or aesthetic quality of out-of-focus blur in a photograph. It works with a sub rear camera and rear main camera (dual camera).
- 8. Beauty ( 🥶 ):
  - You can add stickers from the candidate list when portraits are taken if you choose **Sticker** ( ).
  - By choosing **Skin** ( ) you can have smoother skin by moving the slider to the right when portraits are taken.
  - Whitten ( ) and Rosy ( ) can also let you have brighter and rosier faces by moving the slider to the right.

## Calendar

The Calendar helps you to set appointments, schedule reminders and alerts and repeat them if required. You can also view your saved tasks on a daily or weekly basis. To access the calendar.

- 1. From the App screen, tap Calendar ( 2 )
- 2. To change the calendar view, tap **Option** ( ) and you can view the calendar in
  - Schedule,
  - Day,
  - 3 Day,
  - Week, and
  - Month format.
- 3. Tap the Add ( + ) icon to add the following to your calendar:
  - Goal: You can choose a goal, and the calendar schedules sessions for your goals. (or "Birthday" will be seen\*. You can set a recurring yearly date and enter the name for the birthday celebrant.)
  - Reminder (or "Task" will be seen\*): You can set a reminder for a call, email, text, check-in, or reservation.
  - Event: You can add an event in the calendar and tap Save to save the event.
- 4. Tap Option ( ) > Settings ( ) to view the settings. The options are:
  - General,
  - Events from Gmail,

- Events,
- Reminders (or "Task" will be seen\*),
- Birthdays, and
- Holidays, which are synchronized with your email account.
- 5. Tap (\*) > Refresh to synchronize the calendar.

\*Depending upon the app's software version in use.

#### Clock

You can view the time of major cities in different time zones using this function. You also have the option to use Daylight Saving Time (DST).

1. From the App screen, tap Clock ( ).



- 2. Tap Clock ( ( ).
- 3. Tap ( ) located at the bottom of the screen to access the World clock screen. To view the list of cities and the current time, enter the first few alphabets to get the list of cities. Tap the city name, and the current time of the selected city is added to the Clock.
  - The local time in the home city is displayed in the upper half of the screen.
  - To set the home city, select the desired city from the list. It is added to the selected cities list. The selected city is set as the home city.
- 4. Tap ( ) and the following options are displayed:
  - Screen saver
  - Settings
  - Send feedback
  - Help

#### Alarm

You can set an alarm for a particular time.

1. From the App screen, tap Clock ( ).



- 2. Tap Alarm ( ) on the top of the screen.
- 3. Tap the Add icon ( ) to add a new alarm and tap OK.
- 4. Set the following items:
  - Add/edit label: Enter a name for the alarm, then tap OK.
  - Repeat: Select the days on which you want the alarm to be repeated.
  - Pause alarm: Select the dates to pause your alarm, then tap OK.
  - Alarm sound: Select a sound to play when the alarm sounds. Choose from the available pre-installed device sounds. Users also have the option to select and sign in to a music service of their choice (subscription fees may apply and are the responsibility of the user).
  - Vibrate: Activate alarm vibration.
  - Google Assistant Routine: Add the current alarm to your Google Assistant Routine.
  - **Delete:** Delete the current alarm.
- 5. When finished, you can collapse the alarm window by clicking on the top right corner of the window.



NOTE: The alarm will work even when the phone is set to silent mode.

#### **Timer**

- 1. From the App screen, tap Clock ( ).
- 2. Tap **Timer** ( ).
- 3. The following actions can be performed:
  - Reset, Start, Stop, Delete, Add Timer, and Label.

#### Stopwatch

- 1. From the **App** screen, tap **Clock** ( ).
- 2. Tap Stopwatch ( ).
- 3. Select START ( ) to run the stopwatch.
- 4. Tap **RESET** ( ) to reset the stopwatch time.
- 5. Tap LAP ( ) to count the time duration for each lap.
- 6. Tap Pause ( ) to pause the stopwatch.

## Calculator

The default calculator in this phone is designed to perform simple mathematical calculations.

- 1. From the App screen, tap Calculator (
- 2. To enter the numbers, tap the numeric soft keys.
- To use mathematical operators, touch the respective operation soft keys on the keypad.
- 4. After performing the calculations, tap (=) for the final result.
- 5. Tap ( ) and the following options are displayed:

- a. **History** (you can get a list of previous calculations you have performed on the device.)
- b. Choose theme (you can choose a light, dark or system default theme.)
- c. Send feedback
- d. Help

## Sound Recorder

You can record voice memos using the sound recorder. To access the sound recorder, From the App screen, tap **Sound Recorder** ( ),

- To record audio, tap the Record icon ( ).
- To stop the recording, select **Stop** ( ).
- To save the voice memo, tap Save.
- To exit without saving, tap Discard.
- To play the recorded file instantly, on the Sound Recorder home screen, bottom right, tap the option icon ( ) and the Recording list is opened. Tap the desired recording.
- To pause the recording file instantly, tap Pause ( ).

### **Files**

You can view, edit, delete, and share files stored on your phone through the Files app. If you are using an SD card, you can manage your files from here.

- 1. From the App screen, tap Files (
- 2. On the **Files** screen, there are 3 options at the bottom of the screen. Clean, Browse & Share:
  - Clean: You can clean Junk files, delete duplicates, delete large files, and delete downloaded files. This feature will allow you to free up memory on your device.
  - Browse: You can see all the categories, e.g., Downloads, Images,
     Videos, Audio, etc.
  - Share: From here, you can send or receive files with the Google Nearby Share feature.
- 3. Safe Folder: To set up the Safe Folder,
  - From within the Files and Browse menu, scroll to Collections, and tap on Safe Folder.
  - To change the lock code or reset the Safe Folder, tap Option ( )
     > Settings ( ), followed by Safe Folder.
  - From here, select either a PIN or a Pattern to lock your Safe Folder. If you lose your PIN or lock code, it cannot be recovered.

USING APLICATIONS

93

# SAFETY INFORMATION GUIDELINES

# **Phone Specifications**

## Applicable models

XP400 (X400)

## Spec

FEATURE	DESCRIPTION		
Chipset	Qualcomm SM4550, Octa core		
	2.2GHz processor		
Band	<b>5G FR1</b> : n1, n3, n5, n7, n8, n20, n26, n28, n38, n40, n41, n71, n75, n77, n78		
	LTE: 1, 3, 5, 7, 8, 20, 26, 28, 32, 38, 40, 41, 42, 68, 71		
	<b>UMTS</b> : B1/2/4/5/8		
	<b>GSM</b> : 850/900/1800/1900 MHz		
Wi-Fi	Dual bands (2.4G/5GHz) 802.11a/b/g/n/ac/e/h/i/k/r Wi-Fi Direct		
	Wi-Fi Voice Enterprise		
Memory	6GB DDR4X + 128GB eMMC, Micro SD		
	card up to 1TB		
CONNECTIVITY			
Bluetooth	BT5.0 + BLE		
NFC	Yes		
Battery	Non-removable Li-Ion Polymer, 3.87Vdc, 4960mAh		
Battery Life	Standby: up to 460 hours Talk time: up to 25 hours		
GPS	GPS/a-GPS, Galileo, BD		

Sensors	Accelerometer, Barometer, Compass, Gyroscope, Light, Magnetometer, Fingerprint, Proximity	
Wireless Charging	Yes	
2-pin Charging	Yes	
Operating Temperature	-20°C to +55°C (68°F to 131°F)	
Size	170 mm x 78 mm x 10.5 mm	
Weight	Approx. 230 g	
Dedicated keys	Power Key/Volume Keys/ Programmable key	
Ports	USB Type C	
DISPLAY		
Size	6.56," HD+ (720x1612)	
Outdoor Visibility	Yes	
Color	16.7 M	
Brightness	500 nits	
AUDIO		
Microphone	Two Microphones with Echo and noise cancellation	
Speaker	Dual loudspeaker, HD voice support	
Receiver	HD voice support	
MULTIMEDIA		
Audio Formats	AMR-NB, AMR-WB, AAC, AAC+, AAC+V2, MP3	
Video Formats	3GP, MP4, MPEG-4, H.263, H.264, H-265, VP9	

Please read and understand the following safety guidelines before you use the phone. These guidelines provide details to enable you to operate your phone safely and conform to any legal requirements regarding the use of cellular phones.

# Additional Battery Information

Model: BAT-05000-31S

#### **Battery Usage**

Your Sonim XP400 phone comes with a non-removable battery. For any battery related questions, please contact the Sonim Customer Experience Center at 1-833-697-6646 (1-833-MY-SONIM) or email us at <a href="mailto:globalsupport@sonimtech.com">globalsupport@sonimtech.com</a>.

- Use only a Sonim XP400 (X400) certified battery that is designed for this phone model.
- The use of other batteries may void the warranty terms of your phone and cause damage.
- It is recommended to protect the battery from extreme temperature environments and moisture.
- Please keep the battery out of the reach of children.

## Verifying And Optimizing Battery Usage

- You can check the battery usage status and close some applications to save battery power. From the Home screen, swipe up to access the App screen, tap on Settings ( ) > Battery ( ).
- The current battery level (charging or not charging) is displayed on the top of the screen. From the Home screen, swipe up to access the App screen, tap on Settings ( ) > Battery ( ). Tap on Battery usage to view the discharge graph which shows the battery level over time since you last charged the device, and how long you have been running on battery power and approximately how much battery life you have left.

- The list at the bottom of the screen shows the breakdown of battery usage for individual apps and services. Touch any listed items for more details.
   The details screen for some apps includes buttons that allow you to adjust settings affecting power usage or stop the application completely.
- If you Force Stop an application, it may affect not only the overall
  performance of that application but also the device's performance. If you
  notice any issues with device performance, power cycle the device

#### Tips To Extend the Battery Life

- Follow these tips to extend your phone's battery life.
- If you are not using Wi-Fi, Bluetooth, or GPS, use the Settings to turn them
  off. The GPS setting is located in Settings > Location.
- Set screen brightness to Low and set a shorter Sleep timeout (15 seconds).
   The display settings are located in Settings > Display.
- If you are traveling and do not have access to mobile data or Wi-Fi network, switch to Airplane mode. Select Airplane mode from Quick Settings.



**WARNING!** Never charge, plug in, or unplug your phone when in an inherently unsafe environment (i.e., combustible or explosive atmospheres caused by flammable gases or fumes, dust, etc.).

#### Charging The Battery

- We recommend that you give your device a full charge before you use your device 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 the power supplies with outputs meeting the SELV requirements can be used for charging. The maximum allowable input voltage for the phone is 5V.
- There is a risk of explosion while charging if the battery has been replaced by an incorrect type.
- If the battery is completely out of charge, it can take several minutes for the charging icon to appear when the charger is connected.

#### Properly Charging the Device

- 1. INSERT CHARGER Insert the charger plug into a power outlet.
- CONNECT TO THE PHONE The charging port is located at the bottom center of the phone. Open the port cover and insert the charging connector to the charging port.

#### CHARGING ANIMATION/ICON

 If the battery is charged when the phone is switched off, a battery charging animation with current battery level is displayed.



 If the battery is being charged while the phone is switched on, the battery icon on the status bar shows the animation, indicating that the battery is being charged.



• After the battery is fully charged the charging animation stops and you can disconnect the charger from the phone. A message is displayed as Battery is full. Please unplug the charger.



## Storing Your Phone or Battery

If you plan to store your phone (which includes the non-removeable battery) for an extended time, please follow the recommendations below to ensure long battery life and minimize battery self-discharge:

- Charge your battery to a level between 40% and 80%.
- Protect the battery terminals to avoid discoloration and potential short circuits with other battery terminals.
- Store the phone in dry and cool conditions in a vibration-free environment.
- If you use a climate-controlled storage location, set the temperature to 10°C to 18°C (50°F to 64°F) and keep the relative humidity between 40% 50%.
- Recharge the battery once every 6 months, using the original Sonim charging cable.

# Safety Guidelines

Please read and understand the following safety guidelines before you use the phone. These guidelines provide details to help you operate your phone safely and comply with any applicable legal requirements regarding the use of cellular phones.

	Observe restrictions when using radio equipment at fuel depots, chemical plants, or where blasting operations are in progress.	
<b>5</b>	Electrical interference may obstruct the use of your phone. Observe restrictions in hospitals and near medical equipment.	
<b>*</b>	Switch off your cellular phone when in an aircraft. Wireless phones can cause interference or danger to an aircraft. In an aircraft, the phone can be used in Airplane mode.	
*	Do not expose the device to temperatures exceeding 55°C (131°F).	

•••	Adhere to road safety laws. Do not hold/ use a phone while you are driving; find a safe place to stop first. Use a hands-free microphone while you are driving.
•	Avoid using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.
Ra	Use only Sonim Model approved charging equipment to charge your phone and avoid damage to your phone.
	Ensure that only qualified personnel install or repair your phone.
	The Sonim XP400 is waterproof.
<b>W</b> .	Ensure that the audio connector is closed correctly. This prevents water droplets from forming on the connectors when the phone is submerged in water.
	Water droplets may condense under the display cover if the phone is immersed in water with a significant temperature drop. This does not indicate water leakage. The droplets will disappear at room temperature.
	The Sonim XP400 is dust-resistant, rugged, and shock-resistant.  However, it is not dust-proof or unbreakable if subjected to overwhelming impact. For optimal results and extended product life, it is recommended to protect the Sonim XP400 from salt water, dust, and strong impacts.

## **Avoid High Temperatures**

Leaving the device in hot or cold places, such as in a closed car in summer or winter conditions, reduces 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.

#### Personal Medical Devices

Mobile phones may affect the operation of cardiac pacemakers and other implanted equipment. Please avoid placing the mobile phone over the pacemaker, for example in your breast pocket. When using the mobile phone, place it at the ear opposite the pacemaker. If a minimum distance of 15 cm (6 inches) is kept between the mobile phone and the pacemaker, the risk of interference is limited. If you suspect that interference is taking place, immediately turn off your mobile phone. Contact your cardiologist for more information. For other medical devices, consult your physician and the manufacturer of the device. Comply with instructions to switch off the device 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 a flammable atmosphere or when close to electro-explosive devices.

### **Child Safety**

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

#### **Battery Usage Safety**

- Risk of explosion if the battery is replaced with an incorrect type.
- Dispose of used batteries according to the instructions.
- Do not disassemble or open, crush, bend or deform, puncture or shred.
- Do not modify or re-manufacture, attempt to insert foreign objects into the battery, immerse, or expose to water or other liquids, or expose to fire, explosion, or other hazard.
- Only use the battery with a charging system that the system has qualified according to the CTIA Certification Requirements for Battery Systems Compliant with IEEE 1725. Using an unqualified battery or charger may pose a risk of fire, explosion, leakage, or other hazards.
- Do not short-circuit a battery or allow metallic conductive objects to contact battery terminals.
- Battery usage by children should be supervised.
- Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion, or other hazards.

## **Charging Safety Warning**



WARNING! Risk of electrical shock. Dry location use only.

## **ECO Warning**



The symbol of the crossed-out wheeled bin indicates that this product, and any enhancements marked with this symbol, cannot be disposed of as unsorted waste but must be taken to separate collection for end-of-life disposal.

#### **Audio Device Warning**



To prevent possible hearing damage, please do not listen at high volume levels for long periods.

#### **Emergency Calls**

Mobile phones operate using radio signals, which cannot guarantee a connection under all conditions. Therefore, you should never rely solely upon any mobile phone for essential communications (e.g., medical emergencies). Emergency calls may not be possible in all areas, on all cellular networks, or when certain network services and/ or mobile phone features are in use. Check with your local service provider.

# RF Device Warning

#### **USA and Canada Market**

#### USA market FCC INTERFERENCE STATEMENT

This mobile phone complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This mobile phone 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 with the dealer or an experienced radio or TV technician for assistance.

#### **FCC NOTE**

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

#### **USA market FCC RF EXPOSURE INFORMATION (SAR)**

This phone 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 wireless devices employ 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 accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. 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.

- when tested for use at the head is 1.20 W/kg
- when worn on the body, as described in this user guide, is 1.20 W/kg (Body-worn measurements differ among device models, depending upon available accessories and FCC requirements.)

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

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: WYPS3111

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and be positioned a minimum of 10 mm from the body. When the device is set to hotspot mode, please use it at least 10 mm away from your body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

This phone 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.

#### **USA Market WIFI 6E warning**

Transmitters in the 5.925-7.125 GHz band are prohibited from operating to control or communicate with unmanned aircraft systems.

#### Canada market INTERFERENCE STATEMENT

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference, and
- 2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1. l'appareil ne doit pas produire de brouillage, et
- 2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en.

#### Canadian market IC Radiation Exposure Statement(SAR)

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the ISED. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body & head. This equipment should be installed and operated with minimum distance 1.0 cm between the radiator and your body.

These requirements set a SAR limit of 4 W/kg averaged over ten grams of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the limbs.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. L'utilisateur final doit suivre les instructions d'utilisation spécifiques pour satisfaire la conformité à l'exposition RF. Cet émetteur ne doit pas être co-situé ou fonctionner conjointement avec une autre antenne ou émetteur.

L'appareil portable est conçu pour répondre aux exigences d'exposition aux ondes radio é tablies par l'ISED. Ces exigences fixent une limite de SAR de 1,6 W/kg en moyenne sur un gramme de tissu. La valeur SAR la plus élevée déclarée en vertu de cette norme lors de la certification du produit pour une utilisation lorsqu'elle est portée correctement sur le corps et la tête. Cet appareil doit être installé et utilisé avec une distance minimale de 1.0 cm entre l'émetteur et votre corps.

Ces exigences fixent une limite de SAR de 4 W/kg en moyenne sur dix grammes de tissu. La valeur SAR la plus élevée déclarée en vertu de cette norme lors de la

certification du produit pour une utilisation lorsqu'elle est correctement portée sur les membres.

This device has been tested and compliance with approved with IC:8090A-S3111.

#### Canadian market WIFI warning

- Devices shall not be used for control of or communications with unmanned aircraft systems.
- Devices shall not be used on oil platforms.
- Les dispositifs ne doivent pas être utilisés pour le contrôle ou les communications avec les systèmes d'aéronef sans pilote.
- Les dispositifs ne doivent pas être utilisés sur les plates-formes pétrolières.

Devices shall not be used on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5925-6425 MHz band, that may be used on large aircraft as defined in the Canadian Aviation Regulations, while flying above 3,048 metres (10,000 feet).

Les dispositifs ne doivent pas être utilisés à bord des aéronefs, sauf pour les points d'accès intérieurs à faible puissance, les dispositifs subalternes intérieurs, les dispositifs clients à faible puissance et les dispositifs à très faible puissance fonctionnant dans la bande de 5925 à 6425 MHz, qui peuvent être utilisés sur les gros aéronefs au sens du règlement de l'aviation canadien, alors qu'ils volent à plus de 3048 mètres (10 000 pieds). Devices shall not be used on automobiles.

- Devices shall not be used on trains.
- Devices shall not be used on maritime vessels.
- Les dispositifs ne doivent pas être utilisés sur les automobiles. Les dispositifs ne doivent pas être utilisés sur les trains.
- Les dispositifs ne doivent pas être utilisés sur les navires maritimes.

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

L'appareil pour fonctionner dans la bande 5150-5250 MHz est uniquement pour une utilisation à l'intérieur pour réduire le potentiel d'interférence nuisible aux systèmes satellites mobiles co-canaux.

### **USA Market HAC\* Warning**

\*Hearing Aid Compatibility

This phone is hearing aid compatible as determined by ANSI C63.19-2019.

This phone has been tested and certified for use with hearing aids for some of the wireless technologies that it uses. However, some newer wireless technologies used in this phone may not have been tested yet for compatibility with hearing aids. It is important to thoroughly test the various features of this phone in different locations, using your hearing aid or cochlear implant, to determine if you experience any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, please consult your service provider or contact the retailer directly.

The ANSI C63.19-2019 standard does not use the M/T rating system for showing the hearing aid compatibility with the phone that older version of the standard used; instead, the 2019 version of the standard uses the conversational gains for the phone's hearing aid compatible capabilities.

The volume control performance has been evaluated according to ANSI C63.19-2019 and waiver DA-23-914. The lowest conversational gain is 6.0 dB with a hearing aid, and 10.9 dB without a hearing aid.

The table below shows the wireless technologies (including frequencies/bands by air interface and codec) that are tested or not tested according to FCC rules and limited waiver DA23-914:

			HAC		
Air Interface	Bands	Codec	RF	T-Coil	Volume control
LTE/NR/WIFI	LTE:2/4/5/7/12/13/14//25/26/ 30/38/41/42/43/48/66/71	EVS-NB/WB	Yes	Yes	Yes
	NR:	AMR-NB/WB	Yes	Yes	Yes (2)
	n2/5/7/14/25/26/30/38/41/48/ 66/70/71/77/78 WIFI:2.4GHz, UNII1/2A/2C/3/4/5 <sup>(1)</sup>	EVS-SWB, Opus	Yes	Yes	No
UMTS/GSM	UMTS: II/IV/V	EFR (GSM only)  AMR-NB/WB	Yes	Yes	Yes (2)
		Opus	Yes	Yes	No
NR/WIFI	UNII 5 <sup>(1)</sup> /6/7/8	AMR-NR/WB EVS-NB/WB/SWB			
		Οραδ	No	No	No

<sup>(1)</sup> The UNII-5 is tested for Hearing Aid Compatibility for operations which are entirely below 6 GHz. Above 6 GHz is not tested due to outside of the current scope of ANSI C63.19 and FCC HAC regulations.

<sup>(2)</sup> According to FCC waiver DA 23-914, Hearing Aid compatibility only partially tested for the conversational gain.

#### **EEA Market**

#### RED compliance

The device is compliance with Directive 2014/53/EU, please visit www.sonimtech.com Radiation Exposure Statement (SAR)

This device meets applicable international safety requirements for exposure to radio waves. The mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) recommended by international guidelines from the independent scientific organization ICNIRP (International Commission of Non-Ionizing Radiation Protection). The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2.0 W/kg, averaged over 10 grams of tissue and includes a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values under the ICNIRP guidelines for this device model are:

Test Position	Test value	Test distance	Limit	
Head	1.552 W/kg	0 mm	2.0 W/kg	
Body	1.571 W/kg	5 mm	2.0 W/kg	
Limb	3.232 W/kg	00 mm	4.0 W/kg	

## Wi-Fi Warning

The device is restricted to indoor use only when operating in the 5250 to 5350 MHz, 5945 to 6425MHz (WIFI 6E LPI) frequency range.

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

#### **EU Variant power table**

#### Conducted Power / dBm

GSM900: 32.5, GSM1800: 29.5

WCDMA B1: 24.5, WCDMA B5/8: 25

LTE B1/3/5/7/8/20/28/38/40/42/43/68: 25 LTE B41 for HPUE: 27

5G n1/3/7/38/40: 25.5

5G n5/8/20/28: 25

5G n41/78 for HPUE: 27.5

5G n77 for HPUE: 27

#### EIRP Power / dBm

BT (2400-2483.5MHz): 9.12

WIFI2.4G(2400-2483.5MHz): 19.92 WIFI5G

5150-5250MHz: 21.81 5250-5350MHz: 19.96 5470-5725MHz: 19.97 5725-5850MHz: 13.96

WIFI6G (5945-6425MHz:): 21.45

NFC: -18.19 dBµA/m@10m

# ECO 1670 Regulation Requirements

- 1. Manufacturers, importers, or authorized representatives shall provide in the technical documentation and make publicly available on free-access websites of the manufacturer, importer, or authorized representative the following information:
  - a. Compatibility with removable memory cards, if any;
    - -- See the section topic "Inserting a SIM or SD Card" on page 11.
  - b. Indicative weight range of the following critical raw materials and environmentally relevant materials:
    - i. cobalt in the battery (weight range: less than 2 g, between 2 g and 10 g, above 10 g);
      - -- Above 10g
    - ii. tantalum in capacitors (weight range: less than 0,01 g, between 0,01 g and 0,1 g, above 0,1 g); -- Less than 0.01g
    - iii. neodymium in loudspeakers, vibration motors, and other magnets (weight range: less than 0,05 g, between 0,05 g and 0,2 g, above 0,2 g); -- Above 0.2g
    - iv. gold in all components (weight range: less than 0,02 g, between 0,02 g and 0,05 g, above 0,05 g). Less than 0.02g
  - c. The indicative value of the recyclability rate Rcyc;
    - -- Recyclability rate: 55.06% (for XP400).
  - d. The indicative percentage of recycled content for the product or a part thereof, where available; if not available, the recycled content should be indicated as "not known" or "not available;" -- Not known.
  - e. Ingress protection rating; -- See the section topic "<u>Durable Design</u>" on page 2.
  - f. Minimum battery endurance in cycles in number of cycles; -. -- See the section sub-topic "Battery Health" on page 36.
- 2. Manufacturers, importers, or authorized representatives shall provide user instructions in the form of a user manual on a free access website of the manufacturer, importer, or authorized representative, and shall include:

- a. How to access on the device information from the battery management system on: -- See the section topic "Battery Health" on page 36.
  - i. date of manufacturing of the battery;
  - ii. date of first use of the battery after the set-up of the device by the first user;
  - iii. number of full charge/discharge cycles (reference: rated capacity);
  - iv. measured state of health (remaining full charge capacity relative to the rated capacity in %);
- b. Instructions for battery maintenance, including the following:
  - i. impacts on battery lifetime related to exposure of the device to elevated temperatures, suboptimal charging patterns, fast charging, and other known adverse factors; -- See the section topic "Charging the Battery" on page 7 and the section "Additional Battery Information" on pages 96-98.
  - ii. effects of switching off radio connections, such as Wi-Fi, Bluetooth, on power consumption;
    - -- See the section "Tips to Extend the Battery Life" on page 97.
  - iii. information about whether the device supports other features, which extend battery lifetime, such as smart charging, and about how these features are activated, or under which conditions they work best. -- See the section topic "Battery Settings" on page 35.
- c. Where the package does not include a charger, the user instructions referred to in point 2 shall include the following information: "For environmental reasons, this package does not include a charger. This device can be powered with most USB power adapters and a cable with a USB Type-C plug." -- See the section topic "What's in the box?" on page 2.

## EU Declaration of Conformity (DoC)

Hereby we,

Name of manufacturer: Sonim Technologies, Inc.

Address: 4445 Eastgate Mall, Suite 200,

San Diego, CA 92121, USA

Declare that this DoC is issued under our sole responsibility and that this product:

Product description: Mobile Phone

Type designation(s): X400

Trademark: Sonim

is in conformity with the relevant Union harmonization legislation:

Restrict use of certain hazardous substances (RoHS Directive):

RoHS(2015/863/EU)

RoHS(2011/65/EU)

And Radio Equipment Directive 2014/53/EU:

with reference to the following standards applied:

SAFETY EN IEC 62368- 1:2020+A11:2020, EN 50332-2:2013

EMC EN 301 489-1 V2.2.3, EN 301 489-3 V2.3.2, EN 301 489-17 V3.3.1,

EN 301 489-19 V2.2.1, EN 301 489-52 V1.2.1, EN 55032:2015+A1:2020,

EN55035:2017+A11:2020

HEALTH EN 50360:2017+A1:2023, EN 50566:2017+A1:2023, EN 62209-1:2016,

EN 62209-2:2010+A1:2019, EN 62479:2010, EN 50663:2017, EN IEC 62311:2020,

EN IEC/IEEE 62209-1528-2021

RADIO EN 301 511 V12.5.1, EN 301 908-1 V15.2.1, EN 301 908-2 V13.1.1,

EN 301 908-13 V13.2.1, EN 301 908-25 V15.0.0, EN 300 328 V2.2.2, EN 303 413 V1.2.1, EN 300 328 V2.2.2, EN 301 893 V2.1.1, EN 300 440 V2.2.1, EN 300 330 V2.1.1

Specific (E112) European Commission Guidelines for compliance with delegated

regulation (EU) 2019/320

The Notified Body KIWA with Notified Body number 0063 performed:

Applicable Modules: B+C

Where applicable:

The issued EU-type examination certificate: 242140684/AA/00

#### **Accessories:**

Adapter	N.A.
Battery	BAT-05000-31S
USB Cable	X400

**Software version:** X40.0-01-14.0-20.01.00 (NOTE: Sonim may release new software versions to fix bugs and launch new features after Certificate. All versions launched on the market have been verified and still comply with the related rules. All RF parameters (e.g., frequency range, output power) are not accessible to the user and cannot be changed by the user.)

#### Signed for and on behalf of:

Date: November 27, 2024

City: San Mateo

Name: Avena Xu

Title: Type approval Manager

Signature: \_\_\_\_

Sonim XP400 EMEA USER GUIDE 06August2025, V2.02