sonim
A NEXA Company

XP Pro Thermal

USER GUIDE

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North American (NAM)

GENERAL INFORMATION

Congratulations on your purchase of the Sonim XP Pro Thermal mobile phone! This phone is an ultra-rugged 5G smartphone with an intuitive, feature-rich user interface that helps you make the most of its capabilities.

Durable Design

The Sonim XP Pro Thermal 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 6.56 feet (2 meters) of fresh or salt water for 1 hour 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 4.92 feet (1.5 meters), shock, vibration, temperature fluctuations, and is resistant to salt fog, enhancing its suitability for maritime or coastal environments[1].

Device Models Covered

This user guide covers the **Sonim XP Pro Thermal** (model number X802, Type S3111), and Android 14 software.

What's in the box?

The Sonim XP Pro Thermal package includes:

- Sonim XP Pro Thermal phone
- SIM Tool
- USB 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 C plug.

[1] For more information, consult the Sonim XP Pro warranty at https://www.sonimtech.com/support/warranties

Register Your Phone

Please register your phone at https://sonimtech.my.site.com 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: For additional product and support information, including the user guide, visit www.sonimtech.com or contact our Sonim Customer Experience Center at https://www.sonimtech.com/about/contact/

Technical Support: support@sonimtech.com

Phone: 1-833 MY SONIM (1-833-697-6646)

Manufacturer's address: Sonim, a NEXA company
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IMPORTANT: The XP Pro Thermal only has IP68 and IPX9K level protection when the SIM, USB, and SecureAudio™ doors are closed.

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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 for navigating the phone's touchscreen features.

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 screen's surface, 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 simultaneously and pinching them together or spreading them apart.

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.
2. Charging speed automatically slows down to protect the battery (fast charging naturally produces more heat, pushing your device into higher temperatures).

A USB fast-charging wall charger is required. For the fastest charging speed, the charger should be capable of delivering 18 Watts* (10 Watts (5V DC and 2A) 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[2] can be used for charging. The phone will only allow a maximum input voltage of 9V DC and 2A.

***NOTE:** Using a PD (Power Delivery) charger with more than 18 Watts of power is acceptable, but does not provide additional benefits.

[2] 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.

NOTE: If the battery is completely out of charge, the charging icon may take several minutes to appear after the charger is connected.

1. Insert the charger

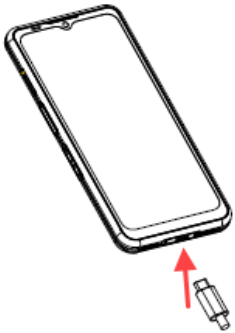
Insert the charger plug into a power outlet.

2. Connect to the phone

The charging port is located at the bottom of the phone and is covered by the rubber charging port cap.

i. Open the charging port cap.

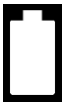
ii. Insert the charging connector.



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%.
  - 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.



Inserting SIM and SD Storage Cards

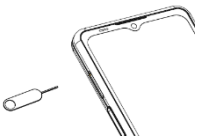
The SIM (Subscriber Identity Module) card associates your network services (for example, phone number, data services, etc.) with your phone. The Sonim XP Pro Thermal device comes with a hybrid tray that supports (4th Form Factor) 4FF SIM cards and Memory card trays.

Insert a SIM card

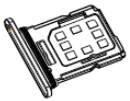
Your Sonim XP Pro Thermal does not come with a pre-installed SIM card. To install/replace a SIM card, first, power down the phone:

NOTE: The XP Pro Thermal has a dual-sided 4FF SIM tray. Insert your nano-sized SIM card into the SIM tray. If applicable, a second SIM card can be placed on the underside of the tray.

1. **Pull out SIM tray:** Insert the Sonim SIM tool into the SIM tray hole to pop out the tray.



2. **Place the SIM On The Tray:** Insert the SIM card with the gold contacts up on the tray.



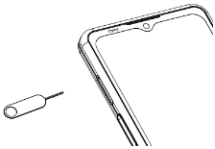
3. **Gently Push In The Tray:** Gently push the SIM tray into the phone slot.

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

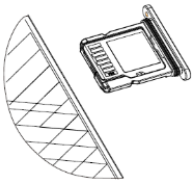
Insert a MicroSD card

To access the SD card slot, use your Sonim SIM tool to pull out the SIM/Micro SD card tray. Notice that with the phone facing up, the SIM primary tray is located on the top-facing side, and the underside tray can accept either a MicroSD card, as illustrated below, or a second SIM card (turned 90° sideways).

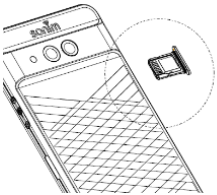
1. **Pull Out SIM Tray:** Insert the Sonim SIM tool into the SIM tray hole to pop out the tray.



2. **Place The MicroSD On The Tray:** Insert the MicroSD card on the tray with the gold contacts facing up (opposite side of the SIM tray).



3. **Gently Push In The Tray:** Place the phone face down and reinsert the SIM tray back into the slot. Please continue to the chapter, STORAGE SETTINGS, for instructions on how to manage the SD memory card through the phone.



USING YOUR XP PRO THERMAL

1. Secondary Microphone
2. Emergency Button
3. Primary Microphone
4. USB C Port
5. Dual Loudspeaker
6. SIM Tray (dual-sided)
7. Push-to-Talk Button
8. Volume Keys
9. 16MP Front Camera
10. Earpiece
11. Status and Notifications Bar
12. Google Search Bar
13. Display
14. Android Hotseat
15. Lanyard
16. Flashlight (Torch)
17. SecureAudio™ Connector
18. Power Button / Fingerprint Sensor
19. 50MP Main Camera
20. Thermal (FLIR Lepton 3.5)
21. Charging Pins

Switching On the Phone

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

When the phone is switched on, it tries to register with the network. After successful registration, the service provider's name is displayed at the top left of the status bar.

NOTE: Ensure a valid SIM card is activated, or your device will not work correctly on the network.

Switching Off the Phone

By default, in Android 14, the Power button is set to activate your Digital Assistant.

- If you prefer to set your power button to access the power menu, then go to **MAIN MENU > SETTINGS > SYSTEM > GESTURES > PRESS & HOLD POWER BUTTON >** select **POWER MENU**.
- If you still want easier/faster access to the Digital Assistant, you can use PROGRAMMABLE KEYS to set the "Assistant" application as the action of either the Push to Talk key or the Emergency Key.

Method #2 for turning off the phone

1. Swipe down on the Status bar to open the Notification panel.
2. Swipe down again and locate the power button icon at the bottom of the screen.
3. Tap the power button and select from the following options: Emergency, Lockdown, Power off, and Restart.

Phone Operations Without SIM Card

You can perform the following operations without a 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

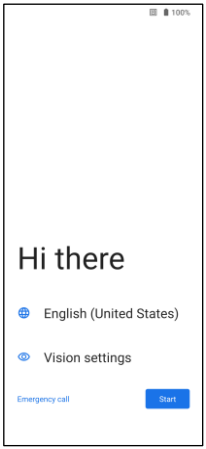
Setting Up Your Phone

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

1. When you turn on your device for the first time, this screen is displayed. Follow the prompts to complete the setup process.
2. Tap on **START** and the following screen is displayed.

   You have two options:

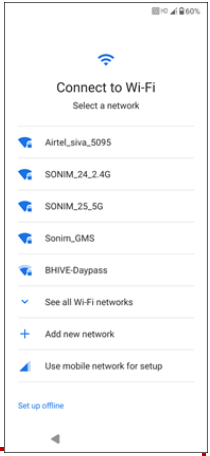
   - Copy your data
   - Set up as new



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:

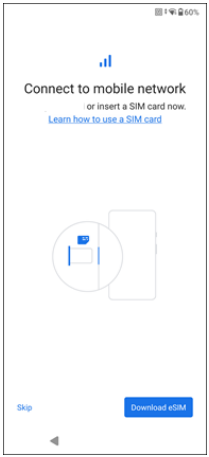
    - Sign in to your Google account
    - Restore apps & data
    - Get software updates
    - Automatically set up time and date



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

5. The **Connect to mobile network** screen appears.

    - Please refer to your service provider's SIM setup instructions.
    - Please see the quick start guide if you need to manually install the SIM card.
    - If no action is needed, tap **Skip**.



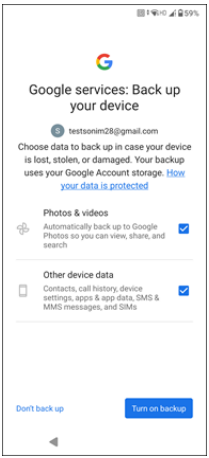
6. The **Copy apps & data screen** appears. You can copy your data from any of the following methods:

   - 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**.

7. You can use different Google services. Tap on **More** to learn about the services.

8. 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 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.

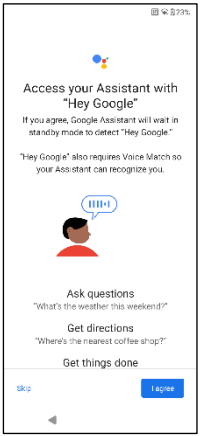
12. Set up your fingerprint. The fingerprint sensor is on the power button. Locate the fingerprint sensor and follow instructions by placing your finger on the sensor and lift the finger after you feel a vibration. Tap on **Do it later** to perform this task later.
13. Now that the fingerprint has been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

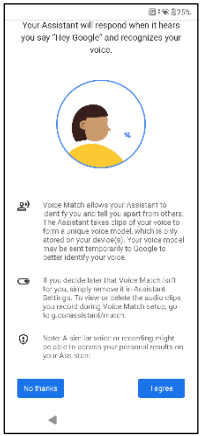
NOTE: Your fingerprint may be less secure than a strong pattern or PIN.

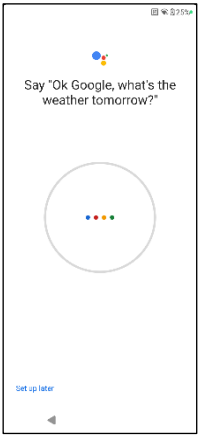
NOTE: You can add multiple fingerprints if multiple users use the same device.

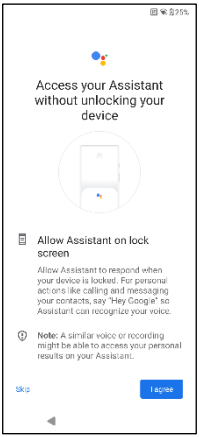
- You can add another fingerprint by tapping on **Add another**. Otherwise, tap **Next**.

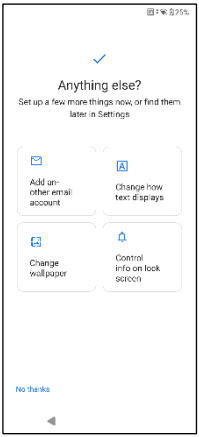
14. The screens below are displayed after setting up the screen lock and fingerprint. Continue to make your selections at the bottom of each screen to complete the initial set up.







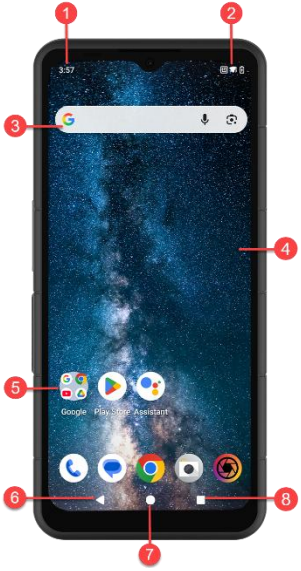




- You can also use the **Settings** menu to add another email account or set up other services.
- Tap on **No, thanks** to proceed to the Home Screen.

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		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
	4G LTE network connected
	5G network connected
	Airplane mode
	Alarm activated
	Battery charging in progress
	Battery level indicator
	Bluetooth activated
	Call forward (only if Always forward is enabled)
	Call in progress
	Device storage space is running out
	Do not disturb/ Silent mode

	Error/information notification - attention
	Flashlight
	Missed call
	Music is played
	New SMS or MMS
	Near-Field communication (NFC) feature in use
	New E-mail
	No signal
	No SIM card
	Roaming
	Screen rotation
	Screenshot captured
	SD Card inserted
	Signal strength (full signal)
	Vibration mode activated

	Volume is off / Silent Mode
	Wi-Fi connected
	Wi-Fi Calling is enabled

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**, Select **Device Unlock**.

Select **Screen lock** and select one of the following options to configure 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 wallpaper is Black Paint Sponge wallpaper.)

- **Wallpaper & style**: Includes images that are pre-loaded with the phone.

GUIDELINE FOR HEADPHONE AND EARPHONE

To prevent potential hearing damage, please refrain from listening at high volume levels for extended periods.

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:

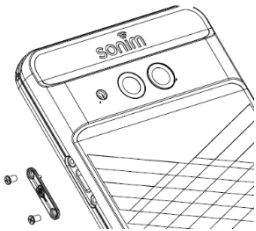
1. Ensure that the image to be captured is displayed on the current screen.
2. Press the **Power** and **Volume** down keys simultaneously. The screenshot is captured and stored in **Photos > Collections > Screenshots** OR **Files > Images > Screenshots.**

The SecureAudio™ Connector

The SecureAudio™ Connector is not a USB C port. It is used for specific, compatible audio Push-to-Talk (PTT) accessories.

For USB C connectivity, please refer to location #4 of the callouts at the beginning of the "Using Your XP Pro Thermal" section above.

Please visit the Sonim Accessory store for examples of PTT accessories. https://www.sonimtech.com/products/accessories



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 button (

)to make a call.

a. **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, scroll to and tap **Settings** > **Network & Internet.**

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 XP Pro Thermal to a Wi-Fi network. To connect your phone to a Wi-Fi network:

1. On the **Network & Internet** screen, tap **Internet**.
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 secured network) and select **Connect**. To verify the password before connecting, enable **Show password**.

NOTE: It is always recommended to make your Wi-Fi network connection secure and to connect your phone to a secure network.

CONNECT TO NETWORK

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

ADD NETWORK MANUALLY

1. On Wi-Fi screen, tap **Add network**.
2. Enter the Network name and select **Security** from the drop-down list. You can set the network password.
3. Tap **Advanced options**. The settings, such as Proxy and IP settings, can be updated using the drop-down list.
4. Tap **Save** to save the network settings.

You can also join Wi-Fi by scanning a QR code, tap the QR code icon ( ) on the right side of **Add network** and scan the network QR code to join in.

FORGET NETWORK

1. On the Wi-Fi screen, tap the connected network.
2. Tap FORGET.

The selected network gets disconnected and displayed in the Wi-Fi list.

If you must get connected to the same network, tap the network and enter the password.

MODIFY NETWORK

1. On the Wi-Fi screen, tap **connected network**.
2. Tap ( ) at the top right corner of the screen. You can change the network password. The other network setting details such as Advanced options, Proxy, IP settings can be updated.
3. Select Save to save the changes.

NETWORK PREFERENCES

- On Wi-Fi screen, tap **Network 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 high-quality public network is available.
- **Passpoint**: Seamlessly connect to Passpoint™ enabled Wi-Fi access points without needing a password.
- **Install certificates:** You can browse a certificate for installation.
- **Wi-Fi Direct:** Tap **Searching** to search for the peer devices and select Rename device to rename the device.

SAVED NETWORKS

On the Wi-Fi screen, tap **Saved networks** to view your saved Wi-Fi networks.

NON-CARRIER DATA USAGE

On the Wi-Fi screen, tap **Non-carrier data usage** to view the Wi-Fi data used by each app.

Mobile Network

On the Network & Internet screen, tap **Internet**, and then tap ( ) on the right of a SIM carrier network.

Mobile data: Turn On to enable data access on your mobile network.

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:

- **Mobile data usage cycle**: Set the date the usage cycle resets.

- **Set data warning:** Turn **On** to enable alerts when your mobile data usage reaches the amount set.
- **Data warning:** Set the data usage amount. Your phone will notify you when it reaches the amount set. Data usage measured by your phone is an approximate amount, and it may differ from the actual amount.
- **Set data limit:** Turn **On** to enable data limits.
- **Data limit:** Set a data limit. Your phone will turn off mobile data when it reaches the limit set.

Preferred network type: 5G is recommended; however, you can select LTE or 3G if you desire.

WI-FI CALLING

The default is ON. Turning this on your device can 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 your carrier and may also result in additional charges. Before activating, please contact your carrier.

NOTE: For those using TTY devices, they are not compatible with Wi-Fi Calling.

Automatically select network: The default is ON.
Access Point Names: The following options are available: select or add APNs, user controlled PLMN, Allow 2G, and Delete SIM.

SIMs

On the **Network & Internet** screen, tap **SIM Manager** for the following options:

- **SIM cards**: The phone accepts up to two SIM Cards. Tap on the SIM to explore additional management options for that SIM.

NOTE: When using multiple SIM cards, set a primary card (Preferred SIM card) to be used for calls, texts, and data.

Airplane Mode

When your phone is set to Airplane mode, network connectivity and mobile data connectivity are disabled; however, you can still 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**.

WI-FI HOTSPOT

The Mobile hotspot feature 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.
- **Keep Mobile Hotspot on**: Set the timer for: Always, idle after 5, 10, 20, 40, or 60 minutes.
- **Maximum connections**: Tap to set the maximum number of users allowed to connect to the hotspot.
- **Connected users**: View your connected users.
- **Help & Tips**: Instructions for using your phone as a mobile hotspot and sharing your mobile data with other Wi-Fi capable devices.

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 using a USB cable. This feature will only be available when the XP Pro Thermal is connected via USB to a compatible device.

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

BLUETOOTH TETHERING

You can share the phone's internet connection via Bluetooth. For sharing internet, you must pair your Bluetooth with another device.

1. On Hotspot & tethering screen, tap Bluetooth tethering.
2. Turn **On** Bluetooth tethering.
3. Pair your Bluetooth device with another device.

Data Saver

Data usage refers to the amount of data your phone uses during internet data transfers. The data usage charges are dependent 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.
3. Unrestricted data: Set apps to be allowed to use restricted data when Data saver is on.

VPN

1. On the **Network & Internet** screen, tap **VPN**.
2. Tap (+) at the top right corner of the screen to add a new VPN profile.
3. In the **Edit VPN profile** screen, enter the Name, Type (select from the drop-down list), and the server address.
4. Enter Username and password. Select **Save**.

Private DNS

1. On the Network & Internet screen, tap **Private DNS**.
2. Select your Private DNS mode.

Connected Devices

From the Home screen, swipe up to access App screen, scroll to 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.

On the Connected devices screen, tap **Connection preferences > Bluetooth**.

PAIR NEW DEVICE

To activate Bluetooth and pair your XP Pro Thermal 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**.

SONIM BLE

Sonim BLE (Bluetooth Low Energy) enables low-power connections with compatible devices. If your Bluetooth device 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 Sonim Scout, 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 the option to connect manually through the Sonim BLE Connect application.
4. The Sonim BLE Connect app will then display a connected status for those paired devices.

FORGET A BLUETOOTH DEVICE

1. On the Bluetooth screen, tap Settings ( ) next to the device you wish to forget.
2. Tap **Forget> Forget device.**
3. The device will be unpaired from your phone. To reconnect with the device, you will need to pair again.

SEND INFORMATION VIA BLUETOOTH

You can use Bluetooth to transfer files between your phone and other Bluetooth-enabled devices, such as phones or computers. You can 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've received via Bluetooth, tap Connection preferences > Files received via Bluetooth on the Connected devices screen.

USB

USB is a plug-and-play interface that allows a computer to communicate with peripherals and other devices.

On the **Connected devices screen**, tap **USB**. You can use USB for the following tasks:

- **File Transfer:** Tap this option to transfer the data from one device to another.
- **USB tethering:** Select to set the USB tethering mode.
- **MIDI:** Musical Instrument Digital Interface (MIDI). Select to enable the phone to act as a digital interface for connecting musical instruments and other devices. This means you can connect your phone to a MIDI keyboard or controller and use it to play or record music, or connect it to a computer to send and receive MIDI data.
- **PTP:** Tap this option to transfer photos.
- **No data transfer:** Select this option to enable the no data transfer mode. This will ONLY appear when you connect your device via a USB cord to a laptop or computer.
- **File Transfer Options:** Click to enable Convert videos to AVC.

NFC

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

NFC is turned ON by default.

1. On the Connected Devices screen, tap **Connection Preferences > NFC.** Select **Enable** prompt for NFC, which will alert you when an NFC card is nearby.

2. To set up Contactless payments, click **Contactless payments** from the NFC page and follow the prompts to set up your payment methods.

Cast

1. On the Connected devices screen, tap **Connection preferences > Cast.**
2. You can cast your screen from your Android device. Connect your Android device to the same Wi-Fi network as your Chromecast or TV with Chromecast built-in. In the top left corner of the app's Home screen, tap **Menu Cast Screen > Audio Cast Screen > Audio.**
3. Ensure that your Android device and Chromecast are connected to the same Wi-Fi network.
4. Tap (⋮) on the top right corner of the screen and **check Enable wireless display** to view a list of nearby devices you can cast to.

NOTE: When you connect the Sonim XP Pro Thermal phone to a computer, it appears as a drive, not as a device.

Printing

1. On the Connected devices screen, tap **Connection preferences > Printing**.
2. Tap **Default Print Service**. Turn **On** the default print service.
3. Tap **Add service**. The Google Play screen is displayed. You can sign in with your Google credentials and add any desired service.

Chromebook

You can use your phone to unlock your Chromebook screen and send and receive text messages from your Chromebook.

1. On the Connected devices screen, tap **Connection preferences > Chromebook**.
2. Tap the drop-down list to view the Gmail accounts that are configured on your device.

Quick Share

Quick Share enables the rapid, short-range exchange of images, videos, text, contact information, directions, videos, and other data via Bluetooth.

1. On the Connected devices screen, tap Connection preferences > **Quick Share**.
2. Turn **On** the **Quick Share**. You can directly enable or disable the Quick Share feature via the Quick Settings Panel.

For more information on Quick Share, please visit support.google.com.

Android Auto

Use the Android Auto app to control your phone's maps, media, and messaging functions, with the Google Assistant while you drive.

1. On the Connected devices screen, tap Connection preferences > **Android Auto**.
2. Before using it, please visit the Google Play Store and ensure you have the latest version installed on your device.

Apps

View current running applications, manage default apps, and more.

From the Home screen, swipe up, scroll to and tap **Settings > Apps** ( ).

Default Apps

The default apps are listed.

1. On App screen, tap **Default apps**.
2. Set the default app for the browser, phone, messages, and other applications. You can also set default apps for opening links.

Screen Time

1. On the App screen, tap **Screen time**.
2. You can tap ( ) on the right side of most apps to set daily timers. When the app timer ends, the app is paused for the rest of the day.

Unused Apps

If an app is unused for a few months, it will be listed:

- Permissions are removed to protect your data.
- Notifications are stopped to save battery.
- Temporary files are removed to free up space.

To allow permissions and notifications again, open the app.

App Battery Usage

Review and set the battery usage parameters for individual apps.

Special App Access

A list of permission levels will be shown. Click on a permission level to view a list of apps allowed to perform that permission/task/access, etc.

1. On the App screen, tap **Special app access**.
2. View app access for special functions, such as battery optimization, display over other apps, unrestricted data, usage access, etc.
3. To disable an app's permission, tap on the app and disable the permission.

NOTE: You can use FIND MY DEVICE under **Device admin apps**. Activating this service will enable you, using Google Play services, to change the screen lock, lock the screen, disable certain screen lock features, or even completely wipe the device by performing a factory data reset.

The default setting of Find My Device is OFF.

Notifications

Manage the settings on notifications.

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

Manage

App Settings

1. On the Notifications screen, tap the **App notifications**.
2. Apps are categorized into four types: Most recent, Most frequent, All apps, or Turned off. Select a category from the drop-down list and choose the app you want to adjust the notification settings.

Notification History

View your recent and snoozed notifications.

1. On the Notifications screen, tap **Notification history**.
2. The default setting is OFF. Turn On Notification history.
3. When you turn this ON, your recent and snoozed notifications will appear.

Conversation

Conversations

View priority and modified conversations.

1. On the Notifications screen, tap **Conversations**.
2. Your priority and modified conversations are displayed. To change conversation settings, follow the below steps.
3. Swipe the Status bar down to display the Notification panel.
4. Touch and hold a conversation.

Bubbles

Enable message conversations display as bubbles, floating on top of other apps.

1. On the Notifications screen, tap **Bubbles**.
2. Turn **On** Bubbles to allow apps to show bubbles.

Privacy

Device & App Notification

Control which apps and devices can read notifications.

1. On the Notifications screen, tap **Device & app notifications**.
2. You can see the devices and apps that are allowed and not allowed to access notifications.

Notifications On Lock Screen

1. On the Notifications screen, tap **Notifications on lock screen**.
2. Select how you want notifications to be displayed on the lock screen.

NOTE: Sensitive Notifications

This setting determines whether to display sensitive content when the device is locked.

- Turn ON to show sensitive content; or
- Turn OFF to not show sensitive content.

General

Do Not Disturb

1. On the Notifications screen, tap Do Not Disturb.
2. Tap (TURN ON NOW) to turn On Do Not Disturb mode.
3. You can set Do Not Disturb behavior, exceptions, schedules, etc.

Flash Notifications

You can set your XP Pro Thermal to flash the camera light or the screen when notifications are received or when alarms sound.

1. Set the Camera Flash to ON to activate the camera light when notifications are received or when alarms are activated.
2. Set the Screen Flash to ON to activate the screen illumination when notifications are received or when alarms are activated. Touch **Screen Flash** to select the color you would like to illuminate.

Wireless Emergency Alerts

1. On the Notifications screen, tap Wireless Emergency Alerts.
2. Enable the **Allow alerts** feature (Wireless Emergency Alerts).

ALERTS

- **Extreme threats**: Turn **On** this option to get the alerts for extreme threats to life and property.
- **Severe threats:** Turn **On** this option to get the severe threats to life and property displayed.
- **AMBER alerts:** Turn **On** this option to get the child abduction emergency bulletins.
- **Public safety messages:** Turn **On** this option to get the public safety alerts.
- **State and local tests:** Turn **On** this option to get the display of state and local test alerts.
- **Emergency alert history:** You can view the emergency alert history.

ALERT PREFERENCES

- **Vibration**: Enable this option to set the device to vibrate during the alert.
- **Alert reminder**: You can set the alert reminder for the following time frame: **Once, Every 2 minutes, Every 15 minutes,** and **Never.**
- **Speak alert message:** Enable to hear text-to-speech wireless emergency alerts messages.

Hide Silent Notifications In Status Bar

1. On the Notifications screen, tap Hide silent notifications in the **status bar**.
2. Enable this option to hide silent notifications in the status bar.

Allow Notification Snoozing

1. On the Notifications screen, tap **Allow notification snoozing**.
2. Turn **On** this option to allow temporarily snoozing certain notifications.

Notification Dot On App Icon

The default setting is enabled. This option allows the display of notification dots on an app icon to alert that you have a notification.

Enhanced Notifications

Enhanced notifications can access notification content, including personal information like contact names and messages. This feature can also dismiss or respond to notifications, such as answering phone calls, and controls Do Not Disturb.

The default setting is Enabled. This option automatically shows suggested actions and replies.

Battery Settings

From the Home screen, swipe up to access the App screen, scroll to and tap **Settings > Battery** ( ). The current battery percentage level and the estimated number of days and hours of charge are shown.

Battery Usage

View battery usage from the last full charge.

1. On the Battery screen, tap **Battery usage**.
2. You can view the battery percentage that each app used.

Battery Saver

Battery Saver mode turns on the Dark theme and limits or turns off background activity, some visual effects, certain features, and some network connections.

On the Battery screen, tap **Battery Saver**.

- **Use Battery Saver**: Turning this setting ON will enable the Battery Saver mode, and it will automatically turn off when the phone is plugged in.
- **Set a schedule:** Tap **Based on percentage** (Min Settings 5%, Max Settings 75%) and drag the slider to the percentage you desire. The Battery Saver will turn on automatically when your phone reaches that battery percentage.
- **Turn off at 90%:** This option is enabled by default. While this setting is enabled, the Battery Saver feature will turn off when the battery reaches 90%.

Battery Percentage

The default setting is enabled. While this setting is enabled, the battery percentage will show in the Status bar.

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 specific settings relative to USB charging.

- **Automatic power ON**: The default setting is OFF; however, enabling this feature 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 setting is OFF; however, enabling this feature allows you to set a specific time for your device to power off.
- **Automatic power OFF**: The default setting is OFF; however, enabling this feature allows you to set the time (in hours) after which your device will power off when 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**.**

For more information on battery performance, storage & charging, please refer to the section, **Battery Info**.

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, scroll to and tap **Settings > Storage (** **).**

SD Card

You must have an SD card inserted to manage settings.

1. On the **Storage** screen, tap (

) **> SD Card** to view files stored on your SD card.
2. Tap ( ) on the top right corner of the screen to access the following options:
   - **Rename:** change the SD card name.
   - **Eject:** eject the SD card to allow for safe removal.
   - **Format:** format the SD card.

Storage Manager

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

1. From the Storage screen, tap **Storage manager**.
2. Turn **On** to enable Storage manager.
3. Tap on **Storage Manager.** Then tap on **Remove photos & videos** to select the types of photos and videos to be removed.

You can set it to remove photos & videos that are **Over 30 days old**, **Over 60 days old**, or **Over 90 days old**.

You can go to the **Files** app to manage and free up space by tapping **Free up space**.

Sound & Vibrations Settings

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

From the Home screen, swipe up to access App screen, scroll to and tap **Settings > Sound & vibration** ( ).

- Drag the sliders to adjust the volumes of Media, Call, Notification, Ring, and Alarm.

Do Not Disturb

1. On the Sound & Vibrations screen, tap **Do Not Disturb**.
2. Tap ( ) to turn **On** Do Not Disturb mode.
3. You can set Do Not Disturb behavior, exceptions, schedules, etc.

Phone Ringtone

1. On the Sound & Vibrations screen, tap **Phone ringtone.**
2. Select a ringtone for incoming phone calls.
3. You can customize your ringtone by tapping Add ringtone.

Live Caption

Live Caption detects speech on your device and automatically generates captions. When speech is captioned, this feature uses additional battery. All audio and captions are processed locally and never leave the device.

1. On the Sound & Vibrations screen, tap **Live Caption**.
2. Enable the feature by selecting **Use Live Caption**

SETTINGS

- **Languages:** Your phone will show captions for languages that are loaded. You can manually search for a language.
- **Hide Profanity:** Profanity will be replaced with an asterisk symbol (*).

- **Show sound labels:** Include sounds like laughter, applause, and music.
- **Live Caption in volume control**: When enabled, all audio, captions, and typed responses during calls are processed on your device (they are never sent to Google). Live caption increases battery usage. Song lyrics aren't captioned.
- **Help:** Wi-Fi or cellular data is required to view helpful tips.

Media

1. On the Sound & Vibrations screen, tap **Media**.
2. Turn On Pin media player to keep the media player open in the **Quick Settings Panel** when the media session has ended.
3. Turn On **Show media** on lock screen so it stays open on the lock screen & quickly resumes playback.
4. Turn On **Show media** recommendations to show media recommendations based on your activities.

Vibration & Haptics

1. On the Sound & Vibrations screen, tap **Vibration & haptics**.
2. You can then enable or disable **Vibration for calls**, **Notifications and alarms,** and **Interactive haptics**.

Shortcut To Prevent Ringing

To activate this feature, simultaneously press the Power button and the Volume Up key to mute the ringing or set the ring to vibrate.

Default Notification Sound

1. On the Sound screen, tap **Default notification sound**.
2. Select the default notification sound.
3. You can customize your notification sound by scrolling down to the bottom of the list and tapping **Add notification.**

Default Alarm Sound

1. On the Sound & Vibrations screen, tap **Default alarm sound**.
2. Select the default alarm sound.
3. You can customize your alarm sound by scrolling down to the bottom of the list and tapping **Add alarm.**

Additional Sound Parameters

You can also enable or disable **Dial pad tones**, **Screen locking sound**, **charging sounds and vibration**, **Tap & click sounds**, and **Always show icon when in vibrate mode**.

Display Settings

Adjust items such as wallpaper, brightness, screen timeout, and more.

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

Brightness Level

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

NOTE: The higher the brightness with the display on, the more battery power is used.

Adaptive Brightness

The default setting is enabled. While this setting is enabled, the screen brightness automatically adjusts based on the lighting conditions.

Lock Screen

1. On the **Display** screen, tap **Lock screen**.
2. Set what to display and when to display it while the screen is locked.

Screen Timeout

1. On the **Display** screen, tap **Screen timeout** to select a time.
2. Your screen will automatically go to sleep after a predetermined set amount of time. This setting also affects battery use.
3. **Screen attention: This feature is OFF by default**. Prevents your screen from turning off while you're looking at it.

Dark Theme

1. On the **Display** screen, tap **Dark theme**.
2. Turn On this option to use a black background to help keep the battery alive longer on some screens.

Display Size And Text

1. On the Display screen, tap Display size and text.
2. From this screen:
    - Drag the slider to set the font size of the text to make the text smaller or larger.
    - Drag the slider to set the display size of everything on your screen.
    - Activate **BOLD TEXT** to bold all text on your screen.
    - Activate **HIGH CONTRAST TEXT** to change text color to black or white.
    - Touch **RESET SETTINGS** to return your display size & text settings to the phone's original settings.

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.

Colors

Choose from Natural, Boosted, and Adaptive. There are three photos to view and see how the photo appears based on the selection.

Auto-Rotate Screen

1. On the Display screen, tap Auto-rotate screen.
2. The Default setting is ON. This option enables 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.

Wallpaper

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

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

The **Choose wallpaper form** sub-menu will provide options for where you want to choose your image from.

Wallpaper & Style: will allow you to choose a color theme, Dark theme mode, Themed icons (Beta), and the app grid (3x3 or 4x4).

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, scroll to and tap **Settings > Accessibility** ( ).

SCOUT Remote Support: The default is OFF. We use this Accessibility service to offer you remote control of this device during a remote connection.

Screen Reader

Talk Back

Talk Back provides spoken feedback, allowing you to use your device without needing to look at the screen. The default is OFF.

Talk Back Shortcut
There is a Talk Back shortcut available to make it easier to use this feature when activated. Options are to Tap the Accessibility button on the screen, or to press & hold both volume keys.

Settings
Use this section to adjust various audio settings & controls for colors, gestures, image & icon descriptions, various Braille keyboard and display settings and general device settings.

From this section you can see the current installed version of Talk Back and link directly to the Play Store to update if needed, as well as access various tutorials, access Google support for Talk Back, and connect directly with Google Disability Support.

Display

Select to Speak

On the **Accessibility** screen, tap **Select to** Speak to enable you to tap specific items on your screen to hear them read or described aloud.

Display size and Text

See instructions in the previous section above, **Display Settings.**

Color and motion

On the **Accessibility** screen, tap **Color and motion**.

- **Color correction:** can be helpful when you want to see colors more accurately or remove colors to help you focus.
- **Color conversion:** turns light screens dark. It also turns dark screens light.
- **Dark theme:** uses a black background to help keep the battery alive longer on some screens. You may also set a schedule.
- **Remove animations:** reduce movement on the screen,

- **Large mouse pointer:** make the mouse pointer more noticeable.

Extra Dim

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

Magnification

On the **Accessibility** screen, tap **Magnification**.

- **Magnification shortcut**: Turn On **magnification shortcut**. To magnify the screen, tap the ( ) icon.
- **Magnification type:** Magnify full screen, part of screen, or switch between both options.
- **Magnify typing:** Magnifier follows texts as you type.
- **Keep on while switching apps:** Allows the magnifier to stay on and zoom out when you switch apps.

Glove Touch Mode

1. On the Accessibility screen, tap Glove touch mode.
2. By default, this setting is OFF, however turn it on to increase capability of using your device with gloves.

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

Interaction Controls

Accessibility Menu

This menu provides a large on-screen menu to control your device. You can lock your device, control volume & brightness, take screenshots and more.

Switch Access

Switches can assist you if you have difficulty using the touchscreen. These can be externally connected to your device, like a keyboard or large button.

There are multiple options to use face gestures to manage the camera and various actions/assignments based on your facial gestures.

Within the Settings menu of this feature, there is a more in-depth set up guide and help options.

Timing Controls

On the **Accessibility** screen, tap **Timing controls**.

- **Touch & hold delay**: Set the touch & hold delay to Short, Medium, or Long.
- **Time to take action (Accessibility timeout):** Choose how long to show messages that ask you to take an action. Note that not all apps are compatible with this.
- **Auto-click (dwell timing):** Enable automatic clicking when using a mouse and adjust the amount of time between the mouse stopping and the click. If clicking the mouse is a challenge, this could be helpful.

System Controls

On the **Accessibility** screen, tap **System controls**.

- **Navigation Mode**: Set system navigation by gestures or using 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**.

- **Ring vibration**: Enable or disable vibration for ringing.
- **Vibrate first then ring gradually**: Enable or disable.
- **Notification vibration**: Enable or disable vibration for notifications.
- **Alarm Vibration**: Enable or disable vibration for alarms.
- **Touch feedback:** Enable or disable vibration for touch.
- **Media Vibration:** Enable or disable vibration for media.

Captions

Live Caption

Automatically caption media. Please refer to **Settings > Sound & Vibrations > Live Caption** for details.

Caption Preferences

On the Accessibility screen, tap Caption preferences.

Please refer to **Settings > Sound & Vibrations > Live Caption** for details.

Audio

Audio Description

Hear a description of what's happening on screen in supported movies and shows.

Flash Notifications

Flash the camera light or the screen when you receive notifications or when alarms sound.

Audio Adjustment

On the **Accessibility** screen, tap **Audio adjustment**.

- **Mono audio:** Enable combining channels when playing audio.
- **Audio balance:** Drag the slider left or right to adjust the audio balance from the speaker.

General

Accessibility Shortcuts

On the **Accessibility** screen, tap **Accessibility shortcuts**.

- **Accessibility button**: Manage the settings of the accessibility button, including location, size, and other options.
- **Shortcut from lock screen**: Allow a 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 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.

Tap **PLAY** to play the example.

Tap **RESET** to reset all the Text-to-speech settings back to default.

Programmable Keys

Your device has two programmable keys. You can assign these buttons to specific on-board applications.

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

Select PTT Key App

The PTT (Push-to-Talk) key is on the left side of the device. The default setting selection is **Phone**.

If you wish to change this from the Programmable Keys menu on the device, press **Select PTT Key App** and scroll through the list of available applications to assign to this key. Touch the application you would like to assign to this key. You can choose 'No Action' if you prefer not to take any action.

There is also an option to set a timer to activate the PTT Key button. The default setting for this timer is OFF, which means as soon as you press the button, the application assigned to that button will launch.

Select Emergency Key App

On the top right-hand side of the device is the Emergency key. The default setting is “unassigned.”

If you wish to change this, from the **Programmable Keys** menu on the device, press **Select Emergency Key** and scroll through the list of available applications to assign to this key. Touch the application you would like to assign to this key. You can choose **'No Action' if you prefer not to take any action**.

Select Press And Hold Timer To Engage PTT Key

If you wish to assign a delay to this action, touch the **SELECT Press and Hold Timer to engage PTT Key** option, and from the menu displayed, select the appropriate delay you would like to assign. The default setting is OFF.

To engage this application, press and hold the PTT Key for the selected time, and then the application will launch.

Push To Talk (PTT)

Push to Talk requires a subscription to work. Additional charges may apply. Contact your carrier for more information about PTT service offerings.

NOTE: To use the PTT service, you must activate your PTT subscription with the carrier.

Security & Privacy

From the Home screen, swipe up to access the App screen, scroll to and tap **Settings > Security & Privacy (** **)**.

Settings

APP Security (Google Play Protect)

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

Device Unlock

SCREEN LOCK

Set your Screen lock. The options are: None, Swipe, Pattern, PIN or Password.

FACE & FINGERPRINT UNLOCK

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

IMPORTANT: You will not be able to unlock via fingerprint on first boot / power on.

Face Unlock

This feature allows users to unlock their phone by looking at it. On the **Security & Privacy** screen, tap **Face & Fingerprint Unlock > Face Unlock.**

IMPORTANT: To increase facial accuracy when attempting to unlock your device, we encourage you to ensure you are in good lighting when enrolling into face unlock.

Set Up Face Authentication

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 phone screen and trigger Face Unlock automatically.

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

Fingerprint

On the **Security & Privacy** screen, tap **Device unlock** > **Face & Fingerprint Unlock > Fingerprint.**

Tap on “Add fingerprint” and follow the on-screen prompts to place your thumb on the side fingerprint sensor (power button).

Account Security

This will allow you to review the Google Security settings and any passwords saved to your Google Account.

Some settings, such as Find My Device and system updates, won’t work until you add a Google Account.

Device Finders

Use Google’s Find My Device to locate your device or any connected Fast Pair accessories.

To use this feature, the user must have had previously signed in with a Google account on their phone.

For more information on Find My Device, please reference this link: https://www.google.com/android/find/about.

System & Updates

This section will provide the dates of your last Google security update, Google Play system updates as well as providing the tool to back up your device to your Google Account to protect your data.

Privacy

From here you will be able to access your Permission manager, privacy dashboard, ads, health content, data sharing updates for location as well as controls for clipboard access, password character display, apps accessing your location and Google's Activity Controls.

PERMISSION MANAGER

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

PRIVACY DASHBOARD

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

ADS

Manage the information used to show you ads and measure ad performance.

- **Reset advertising ID**: This generates a new advertising ID for apps to use.
- **Delete advertising ID**: Apps can no longer use this advertising ID to show personalized ads.
- **Enable debug logging for ads**: Enable to instruct apps to write ads debugging information (such as network traffic) to the system log.

HEALTH CONNECT

Health Connect stores your health and fitness data, giving you a simple way to sync the different apps on your device.

DATA SHARING UPDATES FOR LOCATION

Review apps that changed the way they may share your location data.

Controls

SHOW CLIPBOARD ACCESS

Default is ON; Show a message when apps access text, images or other content you've copied.

SHOW PASSWORDS

Default is ON; Display characters briefly as you type.

LOCATION ACCESS

See apps and services that have access to location.

ACTIVITY CONTROLS

Choose the activities and info you allow Google to save.

Other Settings

More Security & Privacy

This section will provide more controls over privacy & security.

PRIVACY

- **Notifications on lock screen**: Show all notification content.
- **Show media on lock screen:** Quickly resumes playbook, and media player will stay open on lock screen.
- **App Content:** Allows apps to send content to the Android system.
- **Android System Intelligence:** Get suggestions based on the people, apps, and content you interact with.
- **Autofill Service from Google:** Lists your saved passwords, credit cards & addresses.
- **Usage & diagnostics:** Share data to help improve Android.

SECURITY

Extend Unlock

This Google feature allows you to keep your device unlocked when it's with you. Extend Unlock can recognize when:

- You are holding the device
- You are near home or another trusted place
- Your watch or another trusted device is nearby

Tap on the blue **GOT IT** button.

On-body detection: Enable this feature to allow device to stay unlocked while it's in motion, like when you're walking with it.

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're 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's 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.

Android Safe Browsing

Safe Browsing alerts you to security threats, like harmful links and webpages, when you browse within supported apps.

Theft Protection

Lock the device's screen if theft is detected. Use built-in safeguards to protect your personal data if your device is stolen.

- **Theft Detection Lock**. Tap to turn on the feature. The screen will lock if this setting detects that someone has taken your device and ran away.
- **Offline Device Lock**. Tap to turn on the feature. The screen will lock shortly after your device goes offline to help protect your data.
- **Remote Lock**. If your device is lost or stolen, you can lock its screen with just a phone number.
- **Find and erase your device**. Use Find My Device to locate and/or erase your device.

Device Admin Apps

Access FIND MY DEVICE and other admin apps in this section.

Sim Lock

You have the option to lock the SIM. Default is OFF; enabling this feature would require a PIN to use the device. If SIM is locked and PIN is unknown, please contact your service provider.

Encryption & Credentials

Manage your credential storage within this sub-menu.

- **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.

Trust Agents

From the Security & Privacy screen, scroll to and tap **More security & privacy**, then scroll to and tap **Trust agents**.

Slide the switch to the On position to turn them on.

App Pining

- From the Security screen, tap **App pinning**. 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.

Confirm SIM deletion

Enable this option to require verification before deleting a SIM.

Location Settings

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

- 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 and at what level: Allowed all the time, Allowed only while in use, and Not allowed.

Location Services

Earthquake alerts: The default setting is ON; you will receive an alert with the initial estimated magnitude and distance from your location. Alerts are managed by Google.

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: Default is ON; Saves where you go with your device, even when you are not using a specific Google service.

Google Location Sharing: Default is OFF; Location Sharing lets you share your real-time location from your device with people you choose.

Trusted places: This feature requires a screen lock. Some settings use trusted places to determine when more security is needed. For example, when your device is away from your trusted places, like your home or office, some settings will require additional steps to verify that it is you.

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

Store 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, scroll to and tap

Settings > Safety & emergency (✱).

- Open Google's **PERSONAL SAFETY** to add your medical information, emergency contacts & emergency info access.

Medical Information

Gives you the ability to enter your name, date of birth, blood type, height, weight, allergies, pregnancy status, medications, address, any medical notes, and organ donor status. This information is only stored on your device.

Emergency Contacts

Add your emergency contacts. In the case of an emergency, this information is available so these contacts can be called without unlocking your device.

Emergency SOS

Pressing the POWER button quickly 5 times (or more) in an emergency, your device can call emergency services, share info with emergency contacts & record a video.

Car Crash Detection

This is a Google service that is not available on this device.

Crisis Alerts

Default is OFF: Get notified about natural disasters and public emergencies affecting your area. The use of this feature does require location permissions.

Emergency Location Service

When activated and in an area that supports this feature, when you call or text an emergency number, your device may automatically send its location and other critical information to emergency responders.

Earthquake Alerts

The default is ON. You will get an alert with the initial estimated magnitude and distance from your location.

Unknown Tracker Alerts

The default is ON. Trackers work with Find My Device network-compatible tags.

When alerts are on, you will get a notification if an unknown tracker is detected traveling with you. These alerts are deleted after 48 hours.

Silence Notifications While Driving

The default is OFF. This acts as a Do Not Disturb while driving.

When enabled, this feature automatically silences incoming calls, texts, and notifications when driving is detected.

Wireless Emergency Alerts

Enabling Wireless Emergency Alerts will provide notifications for Extreme & Severe threats to life and property, AMBER Alerts, Public Safety messages, State & local tests. You can turn each one of these on or off individually.

Please refer to **Settings > Notifications > Wireless Emergency Alerts** for further information.

Passwords and Accounts

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

PASSWORDS

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

AUTOFILL SERVICE

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

ACCOUNT FOR OWNER

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.

Digital Well Being and Parental Controls

From the Home screen, swipe up to access the App screen, scroll to 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.
- Touch the timer in the center of the screen to view the usage time of Screen Time, the number of notifications received, and the number of times it was opened.
- You can also set timers for each application to set the amount of time each application is made available for that day. The clock, for timing purposes, runs 12:00am-11:59pm.

View Activity Details (also known as Dashboard): Touch the timer in the center of the screen to view the usage time of Screen time, the number of Notifications received, or the number of Times opened.

This section allows you to set daily screen time limits for most of the apps. When the app limit ends, the app is paused for the rest of the day.

WAYS TO DISCONNECT

App Limits

View your screen time & set timers for your applications.

Bedtime mode

Silence your phone, dim the wallpaper, and set the screen to black and white at your designated bedtime.

- Use **Do Not Disturb for Bedtime Mode** and allow only calls from starred contacts, repeat callers, and alarms.

Focus mode

Set a schedule to pause distracting apps and hide their notifications.

Screen time reminders

Stay in control of your digital habits with screen time reminders. Receive occasional reminders that show how much time you spend on the app.

To enable, click on the **Turn on** button.

REDUCE INTERRUPTIONS

Manage Notifications

Enable or disable the notifications of apps.

Do Not Disturb

Turn ON to only get notified by important people and apps. Use this section to specify which people, applications, and various alarms, reminders, and calendar events can interrupt Do Not Disturb mode.

What can interrupt Do Not Disturb

- **People:** Choose which of your contacts can still reach you.
- **Apps:** Choose which apps can still reach you.
- **Alarms & other interruptions:** Choose if alarms, media sounds, touch sounds, reminders, or calendar events can still interrupt.

General

- **Schedules:** Set your schedule for sleeping and events.
- **Duration for Quick Settings:** Until you turn off, for 1 hour, or ask every time
- **Display options for hidden notifications:** When Do Not Disturb is turned ON, set whether 1) sound will play when a notification arrives or 2) no visuals or sound when a notification arrives.
- You can also set custom settings.

Heads Up

- Receive a reminder from Google when walking while using your phone to focus on what is around you.
- **Show icon in the app list**: Turn on to show the icon in the application list.

FAMILIES

Parental Controls

You can add content restrictions and set other limits to help your child balance their screen time.

Google

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

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

If you have not logged into 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.
4. Choose from Recommended services or All Services.
    - You will see your current backup status and your current Google storage usage.
    - From this menu, you will have the capability to access Find My Device, Password Manager, Google Wallet, and Quick Share.

System

Configure your device's language, gestures, time, and backup. From the Home screen, swipe up to access the App screen, scroll to and tap **Settings > System (** **)**.

Languages

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

1. On the **System** screen, tap **Languages.**
2. From here, you can change languages for the System, for Apps, and for regional preferences.
3. English is set as the default System language; however, to change this, simply touch System Languages and either select an alternative language or touch **Add a language.**
4. 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.
5. To remove a language, tap **REMOVE.**
6. To change APP LANGUAGES, touch **App Languages** and select the application you would like to change the language for, and on the next screen, select the language you would like to associate with that application.
7. For **REGIONAL PREFERENCES**, you can change the:
    - **Temperature** between Fahrenheit and Celsius,
    - Set the **First day of the week**, and
    - Select your **Number preferences**.

SPEECH

These tools will assist with voice input and recognition, as well as text-to-speech output.

- **Voice input:** Speech recognition and Synthesis from Google.
- **On-Device recognition**: Choose a language for on-device speech recognition.
- **Text-to-Speech output:**
    i. **Preferred engine:** The default is Speech Services by Google, however click the settings icon and you can install voice data (various voice languages), control how the voice data is downloaded (Wi-Fi vs. Cellular), amplify speech volume to make it easier to hear, set your language detection (off, conservative or aggressive) and other settings.
    ii. **Language:** The default setting is the system language. However, you can change the primary language to any one of the listed languages.
    iii. From this sub-menu, you can also adjust the Speech Rate and the Pitch of the text-to-speech.

Keyboard

You can select the on-screen keyboard you wish to use from this sub-menu, as well as other tools such as Spell Checker, Personal Dictionary, and Pointer Speed.

On-Screen Keyboard

Gboard: You can use **Google Keyboard,** which is a multilingual typing keyboard. Click this, and you will open a submenu where you can change the settings of the Gboard.

Google voice typing: You can use **Google voice typing** for entering text instead of using the keyboard.

Spell checker

Turn ON to use the spell checker.

You can select the language from the list of languages

From the Default spell checker, you can click on the Settings icon, and you can include your contacts' first and last names as part of your dictionary, as well as mark words that are potentially misspelled with a blue underline.

Personal dictionary

You can add words to your dictionary. Press the Add (+) button to add additional words to your personal dictionary.

Pointer speed

Use this slider to adjust the speed at which the pointer moves on the screen.

Gestures

You can use this menu to manage gestures on your device. From your Home screen, scroll to **Settings > System > Gestures**.

Quickly open camera

Enabling this option allows you to activate the camera by pressing the power button twice from any screen.

Navigation mode

You have a choice of how to manage navigation by using either the Gesture navigation or the 3-button navigation setting.

Press & Hold Power Button

Pressing and holding the power button can be set up for two different actions:

- Displaying the **Power menu**: Choosing this displays options to make an emergency call, lock your phone, restart your device, or power it off.
- Opening the **Digital Assistant**.

  The default is to open the digital assistant.

When choosing the Digital Assistant, you will have the option to set the sensitivity of how long to press & hold the power button before the digital assistant is activated.

If you choose the Digital Assistant and wish to access the Power Menu, press the power button and the volume up button simultaneously.

If you choose the Digital Assistant and want to quiet the ringing of an incoming phone call, press any volume button.

Prevent ringing

When the power button is pressed to access the Power menu, you can select to vibrate or mute the ringer by simultaneously pressing the Power button and the volume up button.

Toggle Flashlight

When enabled, you can activate the flashlight by double-shaking the device.

NOTE: Sudden movements can inadvertently activate the flashlight. Please note that the flashlight consumes battery life and can generate heat, so please check this setting to ensure your device is performing as expected.

Date & Time

From the Home screen, click **Settings > System > Date & time**

The device defaults to using the network date and time. If you disable this, you can manually change the date and time to your preferred setting.

TIME ZONE

The device defaults to ON, automatically detecting the time zone you are currently in.

You can also allow the device to use your location to identify your time zone.

TIME FORMAT

You can select **Use locale default**, which is set to OFF by default.

You can also format the time to either a 12-hour or 24-hour format. The default is a 12-hour time format.

Backup

From here, you will be able to manage the storage of your Google account, as well as back up your Google account.

Backup by Google One is enabled by default.

NOTE: If you turn this off, a TURN OFF AND DELETE BACKUP message is displayed. This will turn off backup for device data on this device AND you will also delete backed-up device data, including Device Settings, Apps & app data, Contacts & Call history, and SMS/MMS messages.

Backup only uses Wi-Fi connections to back up data.

You can determine what you would like to backup:

- Applications
- Photos & videos
- SMS & MMS messages
- Call history
- Device settings
- Google Account data

Advance Settings

You also may choose to **back up using mobile or metered Wi-Fi data**. The default setting here is OFF.

NOTE: Charges may apply if you use this feature. Please contact your cellular provider for details about your pricing plan.

Multiple Users

You can allow multiple users of your device by enabling this feature. The default setting is OFF.

Each user will have a personal space on your device for custom home screens, accounts, apps, settings & more.

From this menu, you will also be able to delete guest activity.

You have the ability for the guest to use phone capabilities. The default for this is OFF. If you activate this, note that your call history will be shared with the guest user.

You also have the capability of adding users from the lock screen.

Reset Options

From here, you can:

- **Reset Mobile Network Settings**
- **Reset Bluetooth & Wi-Fi** (Note: This action cannot be undone.)
- **Reset app preferences.** This will reset all preferences for:
  - disabled apps
  - disabled app notifications
  - default applications for actions
  - background data restrictions for apps
  - permission restrictions
  - battery usage settings
  - (You will not lose any app data.)
- **Erase all data**. (Factory data reset*). Completely wipe your device clean as if it were brand new from the factory.
- **Reset Settings**. Reset systems back to default settings.

***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.

System Updates

This section enables you to check for any available software updates for your device.

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:

Basic Info

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 info.

Phone number (SIM slot 2)

Tap to show info.

Legal & Regulatory

Legal information

Tap to display additional information.

Device Details

Device Unlock

View your device's unlock status information.

SIM status (SIM slot 1)

Tap to display more information about the network connection & device performance stats.

SIM status (SIM slot 2)

If a second SIM is in use, tap to display additional information.

Model

Tap to display Model, Type number, Serial number & Hardware version number.

IMEI (SIM slot 1) (Primary)

Tap to show info.

IMEI (SIM slot 2)

If a second SIM is in use, tap to show info.

Android version

- Tap to display Android version
- Latest Android security update
- Latest Google Play system update
- Baseband version
- Kernel version
- Build (Software) version number

Device Identifiers

IP address

The device IP address is displayed.

Wi-Fi MAC address

NOTE: 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.

FCC ID

The FCC ID is displayed.

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 enables you to store phone numbers and other details about your contacts. 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 sync your Google account.

Creating a New Contact

1. On the **Contacts** screen, tap ( ).
2. Enter all the details, select where to save the contact and tap **Save.** The contact is added to the phonebook.

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

1. Tap the Phone ( ) app.
2. Now tap on the dialer ( ).
3. Enter the phone number.
4. Tap **Create new contact**. Enter all the details and tap **Save**.
5. The contact will be added to your phonebook.

To add a picture to the contact:

On the **Contacts** screen, scroll to the desired contact and tap the contact to view the details.

1. Tap the pencil icon ( ) at the top of the screen (**Edit**), and then tap on the picture + icon ( ) at the top and follow the prompts.
2. Press **Save.**

Editing Contact Details

On the **Contacts** screen, scroll to the desired contact and tap the contact to view the details.

1. Tap the Edit pencil icon ( ), which is present in the top right corner.
2. Edit the required details. Tap **Save** to save the details.

Sending a Message from Contacts

You can send SMS and MMS messages to contacts in your phone book.

On the Contacts screen, scroll to the desired contact and tap to open it.

1. Tap the Messages icon ( ).
2. Tap in the Text Message box at the bottom of the page and enter your message.
3. If you wish to attach a photo/video, tap the photo/video icon, and select the desired photo/video.
4. If you wish to attach an emoji/GIF/sticker, tap the smiley face icon, and select the desired emoji/GIF/sticker.
5. To record a voice memo, tap the sound wave icon and follow the on-screen prompts.
6. When ready to send, tap the arrow in the text field on the right side of the screen to send your message.

NOTE: If you attach a media file or a contact to your SMS message, it will automatically be converted to an MMS message.

Managing Contacts Settings

ORGANIZE

App Screen > Contacts > Organize icon ( )

- **Contact ringtones:** Set ringtones for specific contacts.
    1. Tap on the **Add contact ringtone** button.
    2. Tap on the Contact to assign a ringtone.
    3. Tap on the desired ringtone.
    4. Tap **OK**.
- **Manage SIM:** Import or delete contacts from the SIM.
- **Import from file:** Import a VCF file to populate your Contacts. Select the .vcf file > choose the account/device to which the contacts should be imported.

NOTE: This will add contacts to your existing phone's contacts list, creating duplicate entries if identical contact entries are present.

NOTE: If the device has only one .vcf file, it is imported without any selection window.

- **Export to file:** save your contacts as a .vcf file.
    1. Tap the **SAVE** button to create a **contact.vcf** file. It will be saved to your **Downloads** folder.

2. You may share that file through text messaging, or for more options, view the file in your Download folder.
   All Apps Screen > **Files** > **Categories**: **Downloads**.

- **Blocked numbers:** Numbers you will not receive calls or texts from.

  Unknown: Enable this feature to block calls from unidentified callers.

  Add a number: add a 10-digit number you wish to block and tap on **Block**.

- **Settings:** Customize how you want to view/use your contacts.

  App Screen > Contacts > Organize icon ( ) > Settings ( ).

  - **Your info:** Set up your profile. Enter the details and tap **Save**.
  - **Accounts:** Manage accounts.

  Display

  - **Sort by:** Sort the contacts by their First name or Last name.
  - **Name format:** Set contact name format.
  - **Theme:** Choose between Light, Dark, or System default.

  Edit Contacts

  - **Default account for new contacts:** Choose the device or add another account.
  - **Phonetic name:** Choose always to show the phonetic name or hide if empty.
  - **Undo changes.**

Searching for a Contact

On the Contacts screen, tap the search icon ( ) at the top. Enter the first few letters/numbers of the contact name or phone number to be searched. All the contacts containing the searched text will be displayed.

Sharing a Contact

App Screen > Contacts app ( ) > Contacts icon ( ).

- **Quick path (send all details):** On the **Contacts** screen, touch and hold the desired contact to select it. Tap Share ( ) and choose from several modes to share the contact.
- **Choose the contact's details you want to send**:
  1. Tap on the contact(s) you would like to share.
  2. Tap the options icon ( ) > **Share.**
  3. Scroll down the notification bar and select the exporting contacts item(s) from the notification curtain.
  4. You can choose the desired method from the list, such as Bluetooth, Drive, message, etc. Tap "Just once" if it is not how you always share your data or "Always."
  5. Follow the on-screen instructions for the next steps, which vary depending on the method you choose from the list.

Sharing a Contact

App Screen > Contacts app ( ) > Contacts icon ( ).

On the **Contacts** screen, touch and hold the desired contact to select it.

Tap on the trashcan icon ( ) to delete.

A confirmation message is displayed: “This contact will be permanently deleted from your device.”

Tap **Delete** to confirm. The contacts are deleted.

MANAGING CALL SETTINGS

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

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

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

ASSISTIVE

Caller ID & Spam

Enable the feature to see the caller and span ID. Identify business and spam numbers.

GENERAL

Accessibility

From here, you can:

- Activate TTY mode
- Turn on hearing aid compatibility
- Turn on Real-time text (RTT) calling, which allows messaging within a voice call.

NOTE: RTT calls are saved as a message transcript. RTT is not available for video calls.

Assisted Dialing

Enable the ability to predict and add a country code when you are making a call while traveling abroad.

Blocked Numbers

Unknown: Enable the ability to block calls from unidentified callers.

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

If you wish to add a number to be blocked, tap **Add a number**. Enter the number to be blocked and tap **Block**. The number will then be blocked, and you will not receive any calls or messages from that number.

Calling Accounts*

SETTINGS

Tap on your carrier's name. 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.
- IMS Settings
- 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.

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

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.
- **Choose Theme:** Choose a theme from the available options.

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 as you desire.

Sounds and Vibrations

This submenu allows you to adjust volume levels for your media, in-call volume, ring volume, notification volume, and alarm volume.

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.

What can interrupt Do Not Disturb

People:

- Choose the types of Messages that will be allowed.
- Choose the types of Calls that will be allowed.

Apps:

Select apps that will be allowed to interrupt.

Alarms & other interruptions

Select if alarms, media sound, touch sounds, reminders, or calendar events should be allowed to interrupt.

General

Schedules:

- **Sleeping***: Set a schedule to automatically enable Do Not Disturb.
- **Event***: Enable the feature if you do not want to be interrupted during calendar events on your calendar.

*Customize this activity's Do Not Disturb behavior by either using default settings or creating a custom setting.

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. For additional details, please refer to **Settings > Sound & Vibrations > Live Caption.**

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 enable 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
Choose whether or not you want to hear the tap and clicking sounds as you interact with your phone.

Always Show Icon When In Vibrate Mode
Choose whether or not you want to see the vibrate mode icon ( ) in the navigation bar.

Voicemail

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

- **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.
- **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

Caller ID Announcement

This feature enables the caller's name and number to be read out loud for incoming calls.

Announce caller ID: choose Always, Only when using a headset, or Never.

Flip to Silence

Enable the feature to silence an incoming call by placing your device face down on a flat surface.

SENDING MESSAGES & EMAILS

SMS and MMS are convenient 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 equipment that can receive SMS and MMS.

An active mobile data connection is required to send an MMS.
From the Home screen, swipe up to access the App screen, and tap Messages ( ).

Sending SMS/MMS Message

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

1. From the **Messages** app screen, tap the **Start chat** button.
2. Enter the contact name or the phone number in the To field. When entering letters, contacts that start with and contain the entered letters are displayed. Scroll down to select the desired contact.
3. Type the message in the **Text message** field. When you add an attachment, the message automatically converts to a multimedia message.
4. Add an attachment option
   Multimedia: You can add any multimedia attachment up to a size of <=1 MB*. To add an attachment,
   i. Tap the Attach (⊕) icon.
   ii. In the next step, select the attachment type from the options: emoji, Location, Contact, or Attach file.
   iii. Select the multimedia file to be attached.
   **file size may vary based on carrier requirements.*

Photo: You can add a previously captured photo or take a photo

i. Tap the camera ( ) icon.

ii. In the next step, take a photo by tapping on the grey circle, or tap on an existing photo(s) to share.

5. To send your message, Tap on the send ( ) icon on the right side of the text message field.

Deleting Messages

To delete a message, click on the message you wish to delete.

1. Tap the options icon ( ) and tap **delete**. A pop-up message will appear.
2. Tap **delete** to delete the message.

NOTE: Once deleted, items cannot be recovered or undeleted.

Setting Up Gmail Accounts

Setting up your Gmail account(s) will allow you to access your email and email services.

To add a Google account to your device:

1. From the Home screen, tap the Google application.
2. Tap the screen above Recommended and All Services.
3. Click ADD ANOTHER ACCOUNT.

SONIM IRIS APP

Why use a Thermal Camera

Thermal cameras detect and display surface temperatures of objects, even in darkness, and can observe temperature differences down to fractions of a degree. Unlike X-ray vision, they cannot see through walls, doors, glass, clothing, or detect buried objects. They also struggle with accurately measuring the temperatures of shiny surfaces. Their ability to augment human vision makes them valuable diagnostic tools across many fields, including industrial, agricultural, construction, security, automotive, mining, and emergency services. By identifying temperature anomalies invisible to the naked eye, these cameras allow for preventative actions before system failures occur.

Let's Get Started

Launch the IRIS App

The IRIS app is on your home screen, far right side of the Google Hot Seat. Click on it to launch the MyFLIR Pro app and access the thermal camera.

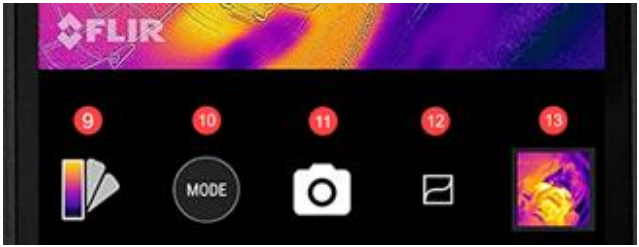
NOTE: When launched for the first time, the IRIS app will require the user to accept the Terms of Service, End-User License Agreement, Privacy Policy, Permissions, etc.

Main Menu Icons

Home screen menu icons

1. **Menu button.** This button will open a drop-down menu to access links to reach the FLIR Tips & Tricks and Community galleries. You will also access Flashlight and Timer options and the MyFLIR PRO settings menu from this drop-down.
2. **Blending Mode.** Selecting this button will open the tab for MSX and Alpha Blending thermal image and image blending enhancement options. It allows you to toggle quickly between full thermal and the standard image.
3. **Spot Meter.** This button opens a tab with 5 image measurement options, including spot temperatures and areas of interest.
4. **Toggle IR Scale.** Selecting this button will open the IR scale and Isotherm functions. These allow various management functions, such as setting the thermal range and alarms.
5. **Toggle IR Scale Lock** allows you to lock the temperature range of the IR scale to the current field of view. This effectively creates a quick, basic isotherm from any field of view to enable fast comparative assessment of different scenes using the same IR scale.
6. **Toggle High Temp Measurement.** Selecting this button will toggle between standard temperature range -40°C to 120°C (-40°F to 248°F) and high Temperature mode 80°C to 400°C (176°F to 752°F). The icon with a slash indicates standard temperature range.

7. **Settings Checkpoint.** Selecting this button will allow you to Reset, Save, or Restore your app settings configuration.
8. **Thermal Calibration.** The default app setting ensures that the sensor will self-calibrate frequently during use; selecting this button will perform a manual calibration. When calibration is in progress (manual or automatic), you will observe this icon change to this picture.



9. **Palette selector.** The default color palette for thermal images is Iron, but 8 additional palettes can be selected according to various use cases. The Changing The Palette section (seen further below) provides additional information on the palette options.
10. **Mode selector**. Use this to select the mode you want to use your thermal camera. The default setting is a still camera and selecting the Mode button will allow you to choose between the additional option of Video mode.
11. This location on the screen shows which mode is active.
12. **VividIR Enhance Details**. Toggling this button enables VividIR, an algorithm that digitally enhances thermal image quality for improved detail in thermal images. When active, the icon will change to this picture.
13. The last photo taken will be shown here as a thumbnail.

Sub-Menus Navigation

MENU

Torch (Flashlight) will turn the flashlight function on or off, allowing you to have better visibility in poorly lit locations and better understand the visual elements of the scene. The icon will toggle to on (without a slash) or off (with a slash) depending on the flashlight's status.

The **Timer** enables a photo capture delay. This feature allows you to set a delay of either 3 or 10 seconds, which will count down on screen once the camera button is selected before capturing the image.

The **Settings** menu provides adjustment options to enhance your thermal camera experience. Details of these options are described further below in System Settings.

BLENDING MODE

Thermal displays only the thermal camera image in a high-resolution (120 x 160, 12µm pixel) 24-bit RGB output.

FLIR **MSX®** (Multi-Spectral Dynamic Imaging) adds visible light details to thermal images in real time for greater clarity, embedding edge and outline detail onto thermal readings.

Alpha blending seamlessly integrates visible and thermal images in real time for greater clarity.

	Visible only displays only the visible image from the rear camera of the XP Pro Thermal for times when a visible image context is required within the MyFLIR Pro app.
	The **Slider bar** allows complete control in blending mode by enabling the user to adjust the levels of visible and thermal detail, respectively, whether using MSX or Alpha blending features.
	Image alignment allows users to manually adjust the relative position of thermal and visible images by sliding the bar left or right. Particularly in near-range imaging, image alignment may require manual adjustment due to the focal length and different positions of each sensor.

SPOT METER

Spot Meter. Selecting this button will display up to 5 spot temperature meters in the field of view. Each spot meter can be dragged to a desired location on the screen and displays the temperature of that precise point in the field of view.

Rectangle [Moveable]. Selecting this button will render a square area of interest over the field of view. This square can be dragged and stretched as required to provide an average temperature of the selected area.

Rectangle [Full frame]. Selecting this button will set the entire field of view as the area of interest, providing the average temperature profile of that area.

Circle. Selecting this button will render a circular area of interest over the field of view. This circle can be dragged and stretched as required to provide an understanding of the average temperature of the selected area.

Line. This option renders a temperature bar across the field of view. This bar can be rotated to a vertical bar and dragged across the field of view, providing an understanding of the average temperature of all points intersected by the bar.

Temperature Flags can be drawn over any area of interest by touching and holding in the area of interest. In addition to the average temperature, minimum and/or Maximum temperatures can be selected. These extremes will be pinpointed and represented by the minimum and maximum temperature flags.

IR SCALE

The **Isotherm button** opens a menu that allows you to isolate specific temperature ranges within the field of view (isotherms). Enabling this toggle in the Isotherm menu will allow you to set the temperature range and color representation for preferred isotherms.

Color Palettes. There are two default isotherm color palettes and eight (8) selectable color choices. Simultaneously, the temperature range can be manually set by entering the isotherm's preferred upper and lower limits.

Alarm. When the Isotherm feature is active, an **Alarm** option is enabled. This option will provide an audio alert when the set isotherm is detected. In addition, the alarm can also be configured to capture a photo, vibrate, and push a notification on the device.

MODE

Still camera mode allows you to take thermal photographs. High resolution (120 x 160, 12µm pixel) 24-bit RGB output.

Video camera mode allows you to record thermal video footage.

Image Editing

The image editing option is opened by selecting the image at the bottom right of the main field of view. This enables additional image editing and sharing options within the MyFLIR PRO app.

NOTE: Once an image has been selected, dragging up or down over it will display the visual camera image matching the thermal image.

Selecting the **Gallery** button will display all thermal images in your library. Individual photos can then be selected and edited or shared as required. Select Individual Image view to return to a single image.

Selecting the **Edit** icon will open the editing options for the selected image. This will allow you to retrospectively perform all the functions initially available in the live view, including: Blending, Spot Meters, IR Scale toggle, and Pallet Selection.

In addition to image editing, you can **Add Notes** to the selected image to annotate important and pertinent information. This note will be added to the bottom right corner of the image.

Save will enable you to store any edits or notes that are added or amended to an image in editing mode.

The **Info** button will display all image metadata, including the selected image's date, Time, Location, Temperature, and Emissivity.

Generate Report provides four (4) different PDF templates to create powerful image reports for each thermal image selected. These reports include measurement and image information, as well as both thermal and visible images.

Selecting **Share** opens a selection of communication platforms (email, instant messaging, cloud storage, photo albums, and social media platforms) for quickly sharing thermal images with others.

Selecting **Delete** will permanently remove the selected image from the library.

System Settings

The System Settings menu ( ) provides Support and more advanced configuration options for images and the MyFLIR Pro application.

	Help: The help menu provides in-app guidelines for the most used functions of the MyFLIR Pro application.
	About MyFLIR: The About menu provides system information, information about FLIR Systems, as well as Software License and Terms and Conditions of use.
	Emissivity: Emissivity is a material's ability to emit infrared radiation. Reflective materials emit differently from matte materials; therefore, for optimum performance, the emissivity can be adjusted according to the material being observed.
	Temperature unit: This option enables users to toggle between Metric (Celsius) and Imperial (Fahrenheit) temperature units.
	Save Location: If GPS is available, this option stores location in the image metadata, making geolocation possible.
	Automatic Calibration: The sensor automatically calibrates by default. This ensures optimum image quality and thermal accuracy, but it can occasionally interrupt imaging continuity while calibrating. This option can disable automatic calibration.

	Allow Usage Statistics: This option helps to improve the app by sharing usage information with FLIR Systems.
	Reset Settings: This option will clear all application settings and restore them to the default. It will also clear all measurement data. **Image Alignment Utility:** If the thermal and visible camera images become misaligned, this tool can re-align the cameras for optimum MSX and Alpha Blending functionality.

User Instructions

MODE SELECTION

1. Tap the Mode ( ) button at the bottom of the screen to display the Mode Selector.
2. Do one of the following:
   - Tap the camera icon ( ) to go to Photo mode.
   - Tap the video icon ( ) to go to Video mode.
   - Tap the timer icon ( ) to go to Time-Lapse mode.

SAVING AN IMAGE

1. Tap the Mode ( ) button at the bottom of the screen to display the Mode Selector.
2. Tap the camera icon ( ) to go to Photo mode.
3. From the live view thermal image screen, tap the camera icon ( ) to save an image.

OPENING OR EDITING AN IMAGE

When you save an image, it is saved in MyFLIR Pro's image gallery. You can, at any time, open an image and add a spot meter, change the palette, etc. (see: Changing the palette, Using Region of Interest (ROI) Measurements, Image Adjustments (Image Blending), and Using the IR Scale and Isotherms).

To open the last image taken, tap the image thumbnail in the bottom right corner of the screen.

Image View

In Image view, you can do the following:

- Tap the ( ) Gallery icon to go to the Library view.
- Swipe left/right to go to the previous/next image/video.
- Swipe up/down to switch between thermal and visual images (Images only).
- Tap the ( ) Edit icon to display a view where you can add a spot meter and change the palette (Images only).
- Tap the ( ) Info icon to display information about the image and, optionally, the GPS location where the image was taken (Images only).
- Tap the ( ) Share icon to share the image/video using, e.g., email, Facebook, Twitter, etc.
- Tap the ( ) Trashcan icon to delete the image/video.

Adding image Spot meters, Notes, or changing library Image blending, IR Scale, or Image palettes:

- Tap the image thumbnail to open the image you would like to annotate.

- Tap the **(** **)** icon to open image editing options.
    - Tap the **(** **)** icon to open image blending options.
    - Tap the **(** **)** Spot Meter icon to add or remove spot meters.
    - Tap the **(** **)** icon to add notes to the image. Then click save to save the notes to the image.
    - Tap the **(** **)** icon to change the image's color palette.
- Tap the **(** **)** icon to save any changes made.

In Library view, you can do the following:

- Tap the **(** **)** icon to go to the Image view.
- Tap a thumbnail to display the full image/video
- Tap and hold the thumbnail to go to the Selection mode, where you can do the following:
    - Tap the thumbnails to select/deselect images/videos.
    - Tap the **(** **)** icon to select all images/videos.
    - Tap the **(** **)** icon to share the selected images/videos using, e.g., Email, Facebook, Twitter, etc.
    - Tap the **(** **)** icon to delete the selected images/videos.

GENERATING REPORTS

MyFLIR Pro has an automated reporting feature that enables fast and efficient report creation using any image in your image library.

- In the Image view, select the ( ) button below the displayed image.
- Select one of the four available reporting templates.
- The report will automatically populate according to the information sets in each template.
- Save and share the report as required.

SAVING A VIDEO CLIP

1. Tap the Mode (

) button at the bottom of the screen to display the Mode Selector.
2. Do one of the following:
   - Tap the ( ) icon to go to Video mode
   - Point the camera toward your subject of interest
   - Tap the ( ) icon to start the recording
   - Tap the ( ) icon to stop the recording

CREATING A TIME-LAPSE VIDEO

You can create a time-lapse video by letting MyFLIR Pro capture several images in a set time interval and then create a video clip based on these images.

1. Tap the Mode ( ) button at the bottom of the screen to display the Mode Selector menu.
3. Tap the ( ) icon to go to the Time-Lapse mode.
4. (Optional step) Tap the ( ) icon and select your preferred palette.
5. Tap the ( ) button to open the Time-Lapse settings menu.
6. Define the settings. The settings that can be defined are:
7. Initial delay (seconds)
8. Frame interval (seconds)
9. Playback rate (frames per second/FPS)
10. Show elapsed time.
11. Tap the ( ) button to start the recording.
12. Tap the ( ) button to stop the recording.

CHANGING THE PALETTE

Each user views and interprets thermal images differently. The simplicity of White Hot may not provide enough detail for some, while the shifting colors of Iron may distract others. Thermal imagers are most effective for users who can quickly interpret a scene, and hands-on experience with each available palette is the best way to make confident, split-second decisions when it truly matters.

The MyFLIR Pro app offers users the choice between 9 different color palettes. To select a palette:

1. Tap the ( ) button at the bottom left of the screen to display the Palette Selector.
2. Choose one of the available palettes as follows:

IRON	A general-purpose palette that quickly identifies thermal anomalies and body heat, Iron uses color to show heat distribution and subtle details. Hot objects are shown in lighter, warm colors, while colder objects are shown in dark, cool colors.
WHITE HOT	White Hot displays warmer objects in white and cooler objects in black. Greyscale palettes offer simplicity for scenes with a wide temperature span and generate images with realistic details. The versatility of White Hot makes it appealing for use in shifting landscapes and urban areas.
BLACK HOT	Black Hot is the inverted version of White Hot, displaying warmer objects as black and cooler objects as white. A favorite among law enforcement and hunters, Black Hot displays body heat in a clear, lifelike image.
RAINBOW	Using different colors to display minute temperature differences, Rainbow best suits scenes with minimal heat change. Focusing on an area with similar heat energy allows the Rainbow to detect objects and slight temperature changes despite low-contrast conditions.
LAVA	Not only do thermal imaging cameras from FLIR provide unparalleled night-time vision, but they also prove incredibly useful during the day. Many species of animals have evolved to blend in with their surroundings, making them hard for hunters or wildlife enthusiasts to find. Lava is best suited to locate these camouflaged animals.
ARTIC	The Arctic palette identifies warm objects with a golden color and colder objects with shades of blue. It mixes the simple coloring of Iron with the low-contrast performance of Rainbow. Differing colors quickly detect heat sources, while darker shading picks out slight temperature changes.

NIGHT	The human eye is more sensitive to green light, and it can sustain screen viewing longer and find adjustment easier between screen viewing and real-life vision in the dark. When using thermal imaging at night, a green filter is used to ensure the comfort of sustained use and ease of adjustment.
COLDEST	In applications like leak detection, where it is helpful to eliminate everything but the coolest point in a scene, the Coldest palette is used. In this scene, everything will appear in greyscale except the coldest part of the scene, which will appear in blue.
HOTTEST	The Hottest palette is used in applications like machine maintenance, where it is helpful to eliminate everything but the warmest point in a scene. In this scene, everything will appear in greyscale except the warmest part of the scene, which will appear in red.

CALIBRATION

By default, the image is automatically calibrated to ensure an optimized image and to optimize temperature accuracy. While the calibration is in progress, the image is frozen, and the ( ) button will animate to ( ) indicating that calibration is in progress.

You can switch between automatic and manual calibration modes. In manual mode you need to manually calibrate the image.

- To calibrate the image manually, tap the ( ) button.
- To switch between automatic or manual mode, tap the ( ) button. Then tap the ( ) icon and toggle the setting under **Automatic calibration**.

HIGH TEMPERATURE MODE

To accurately see and measure temperatures higher than 120°C (248°F), up to 400°C (752°F), use high temperature mode. This lowers the gain in the sensor.

Tap the ( ) button at the top of the screen to toggle high temp mode on and off. High temp is enabled when the button is in this state: ( )

USING REGION OF INTEREST (ROI) MEASUREMENTS

The region of interest (ROI) measuring feature is available in the same way in both Edit and Live mode. For each ROI the max/min/average temperature in the ROI can be displayed, along with markers of their location.

There are five types of ROI markers available:

- **Spot Meter**
- **Rectangle** - Full Frame
- **Rectangle** - Moveable
- **Circle**
- **Line**

Pressing and holding a ROI brings up options to delete the ROI or to show minimum and maximum temperatures.

Tap the ( ) button in the top tool bar and do one of the following:

Spot Meter

- Tap the ( ) button to create an individual Spot meter.
- Drag the generated Spot meter icon across the screen to gauge the temperature of a specific spot in the scene. You can add up to five spot meters to an image.

Rectangle - Full frame

- Tap the ( ) button to display the max/min/average temperature for the entire screen.

Rectangle - Moveable

- Tap the smaller ( ) button to display the max/mm/average temperature for a rectangular area of the frame.
- The rectangle can be resized by dragging from any corner and moved by dragging from its center.

Circle

- Tap the ( ) button to display the max/min/average temperature for a circular area of the frame.
- The circle can be resized by dragging from the edge and moved by dragging from its center.

Line

- Tap the ( ) icon to display the max/min/average temperature along a line in the frame.
- To change between vertical and horizontal, double tap the line.
- The line can be moved by dragging.

Minimum and Maximum temperatures

- In all ROI modes besides Spot meter, you can enable flags identifying the maximum (▲▼) and minimum temperature points within the ROI.
- Tap and hold anywhere within the ROI to show the temperature toggles and enable min/max or both limits.

IMAGE ADJUSTMENTS (IMAGE BLENDING)

Images can be viewed and captured either in single-input camera modes (thermal and visible images) or as an overlayed or blended image using either MSX or Alpha Blending. Single-input camera modes

are available by pressing the thermal or Visible button while in the blending mode menu or in the gallery edit mode. Both visible and thermal images will be captured while in the single camera mode.

Settings for these four modes are illustrated and described below:

Visible image *MSX Overlay* *Alpha blending* *Thermal image*

Visible image

A single input for the visible camera is available by pressing the ( ) button while in the blending mode menu or the gallery edit mode. While in single input for visible camera, the corresponding thermal image will also be captured and stored, and can be accessed later in the editing mode.

MSX Overlay

MSX blends outlines of objects from the visible camera with the thermal image to enhance details.

The MSX outline strength can be adjusted using the alpha slider bar ( ) when the camera is in MSX blending mode. In MSX mode, you can take a close-up photo/video of objects at a distance of 0.3-1 m (12-40 in.).

Follow this procedure:

- Position the camera 0.3-1 m (12-40 in.) from the object.

- Tap the ( ) button in the top toolbar to display the fusion mode selection drop-down menu.
- Use the ( ) slider to adjust the outlines until they line up with the edges of the infrared object.
- Tap the capture button.

Alpha blending

Alpha blending mode can be enabled using the ( ) button. This option displays an overlay of the thermal and visible camera video without MSX outlines. The strength of each input can be adjusted by moving the alpha ( ) slider bar.

Thermal image

A single input for the thermal camera is available by pressing the ( ) button while in the blending mode menu or the gallery edit mode. While in single input for visible camera the corresponding visible image will also be captured and stored and can be accessed later in the editing mode.

USER ALIGNMENT

If the alignment of the thermal and visible cameras changes, you can make manual adjustments.

Realignment Procedure

To set the alignment, tap the ( ) icon. Then tap the ( ) icon and select the Image Realignment Utility.

1. Place an object such as your hand in the field of view, about half a meter away.
2. Tap the camera button to freeze the image and enable alignment controls.
3. Drag your finger along the image to adjust the alignment up and down. Use the slider to rotate it.

4. If the object you use to align the images is not half a meter away, set the distance with the bottom slider.
5. Tap SAVE to apply your changes.

Revert

- Tap **Revert** to load the factory alignment.

Cancel

- Tap **Cancel** to exit the Image Realignment Utility without saving.

USING THE IR SCALE

The IR Scale allows you to control how palette colors are applied to temperatures in the image. The IR

Scale adjusts automatically by default.

- To display the IR Scale, tap the ( ) toggle button.
- The temperature range can be locked/unlocked by tapping the ( ) toggle button. When unlocked, the button will appear like this: ( )
- When double-tapping the IR scale the upper/lower temperature limits are reset to default automatic values.
- Drag the scale bar to adjust the range.
- Tap the number box to enable direct editing of the number.

SETTING AN ISOTHERM

The Isotherm feature enables you to specify a temperature range with a highlight color.

- Open the IR scale.
- To enable the isotherm, tap the toggle button ( ) next to the IR Scale.
- The temperature range will default to a range in the middle of the scene temperature range.
- Each palette has 2 recommended colors ( ) for use by the isotherm, but other colors are available. Tap the color ( ) desired for the isotherm.
- The temperature range can be set by tapping the min and max temperature text fields.

USING AN ISOTHERM ALARM

Enable temperature-triggered alarms by entering isotherm mode and clicking the ( ) alarm button in the isotherm options menu. Alarms have three options for temperature-triggered events that display when the alarm button is pushed:

- Capture photo
- Vibrate

The wait period between each successive alarm is 5 seconds. The alarm button will show as ( ) when the alarm is active.

USING THE TIMER

NOTE: This section applies only to the Photo and Video modes.

You can set up MyFLIR to save an image after a specified interval.
Follow this procedure:

- Tap the ( ) icon to display the tools and settings menu.
- Tap the ( ) icon.
- Tap again to select the desired time interval (3s or 10s).
- Tap the ( ) or ( ) button (in Photo or Video mode, respectively) to start the timer.

USING THE LAMP

You can use the app to control the built-in lamp. Using this lamp improves the edge details of objects in the scene.

Follow this procedure:

- Tap the ( ) icon to display the tools and settings menu.
- Tap the ( ) icon to turn on the lamp, and ( ) to turn off the lamp.

CHANGING SETTINGS

You can change a variety of settings related to MyFLIR's behavior.

Follow this procedure:

1. Tap the ( ) icon to display the tools and settings menu.
2. Tap the ( ) icon to display the **Settings** menu.
3. On the **Settings** menu, you can do the following:
   - View help ( ) files and information about MyFLIR.
   - **Emissivity**: To change the emissivity, tap Emissivity ( ) and select one of the following:
     - Matte (Recommended).
     - Semi-Matte.
     - Semi-Glossy.
     - Glossy (Not recommended).

     What is emissivity?

     Emissivity is the ability of a material to emit infrared light. To obtain an accurate measurement, the emissivity must match the material being viewed. For most materials, the default Matte setting is a good approximation.

     Glossy materials, such as metals, can give incorrect temperature measurements.
   - **Temperature unit:** To change the temperature unit ( ), tap °C or °F ( ).
   - **Save Location:** To save the GPS location ( ) in the image, swipe the slider to On.
   - **Automatic calibration:** To calibrate images automatically ( ) , swipe the slider to On.
   - **Allow Usage Statistics.** To help improve the MyFLIR PRO app, toggle the Allow usage statistics ( ) to On.

- **Reset Settings:** To reset settings to factory default sect the ( ) icon.
- **Image Realignment Utility:** Use this utility ( ) to realign MSX and Alpha Blending between visual and thermal cameras.

Sonim Scout

The Sonim Scout app is a solution that enables users to register with Sonim and utilize several key enterprise features.

A Sonim Cloud account is required to fully utilize Scout capabilities. For more information, visit https://www.sonimcloud.com.

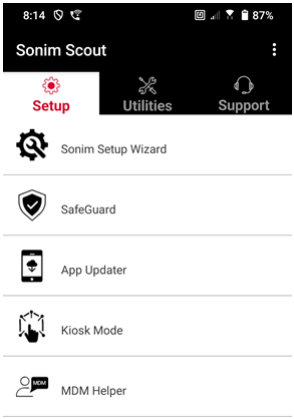
To access Sonim Scout, from the **Home** screen, swipe up to access App screen, scroll to and tap **Sonim Scout** ( ).

NOTE: The initial launch of the app will require acceptance of the Terms and Conditions and End User License Agreement.

SETUP

The **Setup** tab consists of the following features:

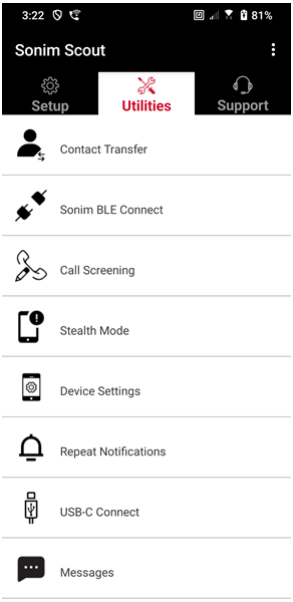
- Sonim Setup Wizard
- SafeGuard
- App Updater
- Kiosk Mode
- MDM Helper



UTILITIES

The **Utilities** tab consists of the following features:

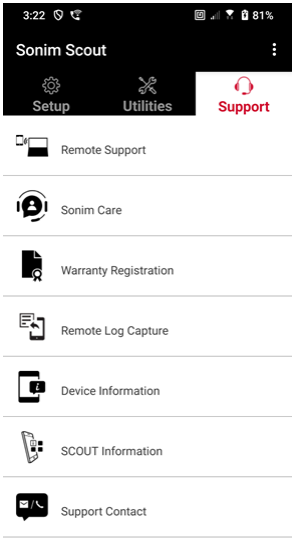
- Contact Transfer
- Sonim BLE Connect
- Call Screening
- Stealth Mode
- Device Settings
- Repeat Notifications
- USB C Connect
- Messages



SUPPORT

The **Support** tab consists of the following features:

- Remote Support
- Sonim Care
- Warranty Registration
- Remote Log Capture
- Device Information
- SCOUT Information
- Support Contact



USING APPLICATIONS

Camera

The Sonim XP Pro features a 50MP primary camera and a 16MP front camera with fixed focus for capturing images. Saved pictures can be accessed via the Photos app or by clicking the gallery button on the lower left corner of the screen.

From the Home screen, swipe up to access the App screen, and tap the **Camera** app.

- **Camera mode:** Tap the soft key in the bottom center of the screen to take a photo. Use the Volume Up and Volume Down keys as alternative keys for capturing pictures.
- **Continuous Shot mode:** Press and hold the Volume Up or Volume Down key to activate Continuous Shot mode, which captures up to 20 pictures in rapid succession. Releasing the button at any point during the long press will end the continuous mode shooting.

When you activate the camera, you will see a series of options along the lower edge of the screen above the camera soft key. These options are:

Pro

Several professional settings are provided for you to manually adjust parameters for picture-taking. You have the capability to adjust any of the following:

- Manual focus
- ISO
- Shutter speed
- Exposure
- White Balance
- Auto focus

Night

This mode reduces noise and sharpens details for low-light photography. Keep your phone still when taking photos.

Video
You will have access to Beauty & Filter settings, as well as an Auto Zoom setting (0.6x, 1x, or 2x).

Photo
You will have access to Beauty & Filter settings, as well as an Auto Zoom setting (0.6x, 1x, or 2x).

Portrait
For best "bokeh" (or blur) effects, keep a distance of 0.5-1.5 meters between your phone and the subject.

50M and More

- Panorama
- AR Sticker
- Watermark
- Time-lapse
- QR Code
- Macro

Just below these "modes," there are three buttons that support your photo/video efforts.

Gallery soft key is the soft button on the left side of the screen. This will give you access to all your photos and videos taken from your device.

Camera Soft key is the button you use to take a picture or to start and stop a video.

Mirror Soft key is the button used to turn the front camera around, allowing you to take a selfie. This feature does not work with the rear camera.

Utilize the following features when in Camera mode. These are the icons along the top of the screen when in Camera mode.

NOTE: These descriptions are for the camera installed on the Sonim XP Pro Thermal. If you are using a different camera, these descriptors could be different.

These icons are seen at the top of the screen from left to right:

FLASH: Tap on the Flash icon to activate or deactivate the flash. If the flash icon is orange in color, it is activated; if the icon has a slash through it, the flash is deactivated; if the icon has a small "a" in the bottom right of the icon, then it is in Automatic mode.

HDR (High Dynamic Range): Tap on the HDR icon to activate or deactivate the feature. If the HDR icon is orange in color, it is activated; if the icon has a slash through it, the flash is deactivated; if the icon has a small "a" in the bottom right of the icon, then it is in Automatic mode.

AI: Tap the AI icon to activate or deactivate auto scene detection.

Google Lens: Tap on the Google Lens icon to activate Google Lens. When active, use your camera to snap a picture, and Google will provide a description (where available) of the image in your shot.

MOTION PLAY

Enable or disable this Google Camera feature to capture photos with creative blur effects.

SETTINGS

Picture Size: Ability to adjust the size while in **Pro** or **Photo** modes.

- 1.2MP (1:1)
- 13MP (4:3)
- 8MP (16:9)
- 7MP (Full screen)

Shutter Sound: It can turn on or off.

QR Code recognition

Geotagging: When enabled, it records coordinates where pictures are taken. Details can be found in the picture details.

Camera Screen Brightness:

- Minimum brightness
- Normal
- Maximum brightness

Volume Key Functions: While the default is to capture a shot, including Continuous Shot mode, you can set the volume key to operate as follows when the camera is engaged:

- Volume
- Capture
- Zoom

Self-Timer: Can set the self-timer to any of the following options:

- Off
- 3 seconds
- 5 seconds
- 10 seconds
- 15 seconds

Touch Shot: Enabling this feature allows you to capture a photo by simply touching anywhere on the touchscreen.

NOTE: This does NOT work when in video mode.

Face Detection: Enable this feature to automatically detect and track a face, keeping it in focus as you move the camera.

Watermark: This Google Camera feature allows you to create a time watermark, a device watermark, and/or a location watermark.

To create a custom watermark, select **device watermark**. This custom watermark can contain up to 16 characters, including letters, numbers, and special characters.

NOTE: Emojis cannot be used as part of your custom watermark.

Grid: Enable this feature to overlay a grid on the screen, helping you align your image before taking a photo or video.

Video: Ability to adjust the video parameters while in the **video** mode.

- Video frame rate: Select 30FPS or 60FPS.
- Video quality: Select High, Medium, or Low.

Smile capture: Turn on this feature to snap a photo whenever the camera detects a smile, while in the **Photo** mode.

Advanced Features:

- **Anti-Flicker:** Select from Auto, Off, 50 Hz, or 60 Hz settings.
- **Correct ultra wide-angle distortion:** Enable or disable.

Restore Default Settings: This option resets all settings to their factory default values.

Calendar

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

To access your calendar:

1. From the App screen, tap Calendar ( ).
2. To change the calendar view, tap **Option** ( ) and you can view the calendar in:
    - Schedule
    - Day
    - 3 Days
    - Week
    - Month

To schedule an event or a task, tap the "+" button on the lower right side of the screen, and then tap either Task or Event and follow the prompts.

To view events on your calendar, ensure they are selected to be displayed. Go to Settings by clicking on the three lines in the upper left-hand corner of your device. Scroll to the bottom and tap Settings ( ). Follow the prompts to select the activities and calendars you would like synced to your phone.

Calculator

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

1. To access the calculator, from the App screen,

   tap **Calculator** ( ).

2. To enter numbers, tap the respective numeric soft keys.

3. To perform your calculations, touch the respective operation soft keys on the screen.

For more mathematical operators, tap the “v” soft key above the division soft key on the right side of the screen.

Within the Calculator app, there is a **Settings** menu. From here, you can gain access to:

- **History**: you can get a list of previous calculations you have performed on the device.
- **Choose theme**: you can choose a light, dark or system default theme.
- You can access Google’s Privacy Policy as well as send Google feedback on their application and access the Google help menu.

Clock

To access the Clock, from the App screen, scroll to and tap **Clock** ( ). The following features are available:

Alarm

- To schedule a new Alarm, tap **Alarm** ( ), then tap the "+" button and set the specific time of your alarm.
- You can then add a label, select the frequency of the alarm, set the tone, whether you want it to vibrate, whether you wish to add this alarm to your Google Assistant Routine, or delete the alarm.

Clock

- The clock automatically displays the current time for your location by using data from the nearest connected cell tower.
- To check the time in other cities around the world, tap the "+" button and start typing the first few letters of a city's name. A list of city options will appear based on your input. Select the cities you want, and they will be added to the Clock screen for easy viewing.
- If you want to remove a city from the Clock screen, swipe left on the city name, and it will be deleted.

Timer

- Set the desired timer and press the round **Play** key at the bottom center of your screen.
- You will then be able to pause, add 1 minute to the timer, or create another timer. You can add as many timers as you like.

Stopwatch

To start the Stopwatch, press the **start** ( ) button on your screen. You have options to restart (left soft key) or create a split (right soft key).

Bedtime

Setting Up Your Sleep Routine.

- Set a Regular Wake-Up Alarm
  - Choose a consistent wake-up time to start your day.
  - If you prefer a gentler wake-up, enable the **Sunrise Alarm** feature. This gradually brightens your screen before the alarm activates.
- Customize Alarm Settings
  - Select a preferred alarm tone to wake up to.
  - Enable or disable vibration based on your preference.
  - Add the alarm to your **Google Assistant Routine** to seamlessly integrate it with your daily tasks.
- Set Up Bedtime Notifications
  - Configure a consistent bedtime to help you develop a healthy sleep pattern.
  - Enable **Bedtime Notifications** to remind you to prepare for sleep. You can choose when to receive notifications—15 minutes, 30 minutes, 45 minutes, or 1 hour before your set bedtime. You can also disable notifications if you prefer no reminders.
- Enable Bedtime Mode
  - Turn on **Bedtime Mode** to minimize distractions and create a sleep-friendly environment. When enabled:
    - Your phone will automatically silence notifications.
    - The wallpaper will dim.
    - The display will switch to black and white to reduce screen stimulation.
  - You can customize Bedtime Mode to allow specific people, alarms, or notifications to bypass these settings for essential communication.
- Additional Tips for Better Sleep

- Disconnect from your device as you approach bedtime.
- Listen to soothing sounds to relax and prepare for a restful night.

To access Clock settings directly from the Clock application, tap the 3 dots in the upper right-hand corner of your screen.

The following tools are available:

Screensaver: You will enable the screensaver when you access this screen.

Settings:

- Clock Settings:
  - Style: Digital or Analog
  - Display time with seconds: on or off
  - Automatic home clock: Enabling this feature allows you to have a second clock for when you are traveling in an area outside of your home time zone, displaying the correct time at your home.
  - Home time zone: Use this to set your official home time zone
  - Change date & time: Use this to manually adjust the date & time.

ALARM SETTINGS

Silence after: Set the time to cancel the alarm sound after a specific duration. Options are:

- 1 minute
- 5 minutes
- 10 minutes
- 15 minutes
- 20 minutes
- 25 minutes, or

- Never

Snooze after: This allows you to set the time to snooze after you have silenced your alarm. Options are from 1 minute to 30 minutes.

You can also:

- Adjust the volume of your alarm
- Gradually increase the volume of your alarm from 5 seconds to 60 seconds (in 5-second increments)
- Set the volume buttons, when tied to an alarm, to control volume, snooze, stop the alarm, or do nothing.
- Set what day of the week your calendar starts. Options are Sunday, Friday, Saturday, or Monday.

TIMER SETTINGS

You can customize the timer:

- Select the sound used by the Timer or add your own sound.
- Gradually increase the sound of your timer counter from 5 seconds to 60 seconds (in 5-second increments).
- Enable or disable the Timer vibrate feature.

Screen Saver

You can customize the screen saver:

- Set a digital or analog screen saver
- Activate Night Mode to decrease the display to a very dim display to decrease the impact on your eyes in dark rooms.

Privacy Policy

This will take you to the Google Privacy Policy.

Help

This will take you to the Google Help resources. Popular topics will be listed on the main screen; however, you can use the search window to search the entire Google help database.

Send feedback

This link will allow you to provide feedback directly to Google.

Sound Recorder

You can record voice memos using the device's sound recorder.

1. To access the sound recorder, from the **App** screen, tap **Sound Recorder.**
2. To record an audio file, tap the red record button located in the bottom center of the screen.
3. To STOP the recording, press the STOP soft key on the bottom left side of the screen.
4. To PAUSE the recording, press the PAUSE soft key in the bottom center of the screen.

Once you have stopped the recording, you will be prompted to save the recording with a file name. You can use the prepopulated file name or create one of your own.

- Press SAVE when you have named the file.
- Once you have saved audio files to the device, you will see the MENU soft key brighten (it is dark and inactive on the screen when no audio files are present). Press this to see the list of audio files saved to your device, and you can tap any of the files for it to play for you.

Sound Recorder Settings Menu: view specific attributes to the sound recordings or set custom values such as BitRates, Sample Rate, Channel, and Codec by tapping the check box next to Custom Settings in the upper left corner of the screen.

Files

Files stored on your phone (i.e., photos, videos, screenshots, recordings, documents, etc.) can be viewed, edited, deleted, and shared through Files. If you are using an external storage SD card, you can also manage those files from your device.

From the **App** screen, tap **Files.** You will see:

- **Recent** files are listed and grouped at the top of the screen.
- Collections include files you have marked as Favorites (Starred) and a Safe Folder.
- **Categories** of files appear below the Recent files. These include:
    - Downloads
    - Images
    - Videos
    - Audio
    - Documents
    - Apps
- **Collections** include files you have marked as Favorites (Starred) and a Safe Folder.

IMPORTANT: Files stored in the Safe Folder are protected by a lock (either PIN or Pattern). If you forget this lock (password), there is no way to recover it, and these files will be lost. **Please protect your lock code**. **Neither Google nor Sonim can recover this lock code for you or reset it without a factory reset, which would delete all folders within this Safe Folder.**

- **All Storage** devices appear at the bottom of the screen, which includes internal storage and other storage options.

SAFETY INFORMATION GUIDELINE

Product Information

Applicable models

X802(S3112); X802(S3111); X802(S3012); X802(S3011)
X802 (S1101)

Spec:

GSM	850/900/1800/1900 MHz (Not for USA and Canada market)
UMTS	I, II, IV, V, VIII
LTE	1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 42, 43, 48, 66,68, 71
5G FR1	n1, n2, n3, n5, n7, n8, n14, n20, n25, n26, n28, n30, n38, n40, n41, n48, n66, n70, n71, n75, n77, n78
OS	Android 14, Google AER Certified
Platform	Qualcomm SM7550 (Snapdragon 7 Gen 3), 1x 2.63GHz, 3x 2.4GHz, 4x 1.8GHz
Memory	8GB DDR4X, 256GB UFS (ROM). Micro SD up to 2TB
Display	6.58", 1080x2408, 90Hz. Gorilla Glass Victus II
Camera	50M Main Camera; Thermal camera (FLIR Lepton 3.5); 16M Front Camera

Wi-Fi	802.11 a/b/g/n/ac/ax, Up to 10 connections, 2.4G/5G/6GHz
BT	BT5.3, BLE
LBS	GPS/a-GPS, Galileo, Glonass, Beidou, SBAS
SIM	Dual 4FF SIM slots
Charging	USB Type C with fast charging (18W), Wireless charging (WPC), 2-pin on back
Loud Speaker	Bottom-facing, Dual loud speaker, 100+dB at 10cm
Side buttons	Programmable key, Volume keys on left, Emergency button on top, Power with Fingerprint on right
Battery	5000mAh, non-removable
Dimensions	171.5x80x11.5mm
Weight	267g
NFC	Loop Antenna
WPT	Rx, 100kHz~ 148.5 kHz Coil Antenna

Battery Info

Model: BAT-05000-21S

Battery Usage

Your Sonim XP Pro Thermal phone has a non-removable battery. If you have any battery-related questions, please contact the Sonim Customer Experience Center at 1-833-MY-SONIM (1-833-697-6646) or email us at globalsupport@sonimtech.com.

- Use only a Sonim XP Pro Thermal (X802) certified battery that is designed for this phone model.
- The use of other batteries may cause permanent damage to your device, thus voiding the warranty.
- It is recommended to protect the phone and 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.

Charging The Battery

- We recommend that you give your device a full charge before you use it 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 by the phone is 9V and 2A.
- There is a risk of explosion while charging if the battery has been replaced with 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 the 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 and is covered by the rubber charging port cap.

   i. Open the charging port cap.
   ii. Insert the charging connector.

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%.
  - 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.

Storing Your Phone and Battery

If you plan to store your phone (which includes the non-removable 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 60%.

- Protect the battery terminals to avoid discoloration and potential short circuits with other battery terminals.
- Store the phone in a dry, cool environment that is free from vibration.
- If you use a climate-controlled storage location, set the temperature to 15°C to 25°C (59°F to 77°F) and keep the relative humidity ≤85% RH.
- Recharge the battery once every 6 months using a USB power adapter with a USB C cable.

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.).

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

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.
	Electrical interference may obstruct the use of your phone. Observe restrictions in hospitals and near medical equipment.
	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 hands-free microphone while you are driving.
	Avoid using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.
	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 XP Pro Thermal is water resistant and can be submerged to a depth of up to 6.56 Feet (2 meters) of fresh or salt water for 1 hour. 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 XP Pro Thermal 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 XP Pro Thermal from salt water, dust, and strong impacts.

Avoid High Temperatures

Leaving the device in hot or cold places, such as a closed car in summer or winter conditions, reduces the battery's capacity and lifetime. For optimal results, use the device within the temperature range of -20°C to +55°C (-4°F to 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 can interfere with the operation of cardiac pacemakers and other implanted medical devices. Please avoid placing your mobile phone over a pacemaker, for example, in your breast pocket. When using the mobile phone, place it at the ear opposite the pacemaker. Maintaining a minimum distance of 15 cm (6 inches) between the mobile phone and the pacemaker limits the risk of interference. If you suspect interference is occurring, immediately turn off your mobile phone. Contact your cardiologist for more information. For other medical devices, consult your physician and the device's manufacturer. 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 by the device and may adversely affect its operation. Also, observe restrictions at gas stations or other areas with flammable atmospheres 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 its accessories. Your mobile phone and its accessories may contain small parts that could detach 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 hazard.

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.

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 refrain from listening at high volume levels for extended periods.

Emergency Calls

Mobile phones operate using radio signals, which cannot guarantee connection under all conditions. Therefore, you should never rely solely on any mobile phone for essential communications, such as 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:

1. This device may not cause harmful interference, and

2. This device must accept any interference received, including interference that may cause undesired operation.

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

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/ kg. *Tests for SAR are conducted using standard operating positions 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 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 test 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:

Air Interface	Bands	Codec	HAC		
			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
		AMR-NB/WB	Yes	Yes	Yes (2)
	NR: n2/5/7/14/25/26/30/38/41/48/66/70/71/77/78 WIFI:2.4GHz, UNII1/2A/2C/3/4/5(1)	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(1)/6/7/8	AMR-NR/WB EVS-NB/WB/SWB Opus	No	No	No

(1) 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.

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

Conditions of Acceptability

The mobile phone shall only be charged in a safe area using a charger approved as SELV or Class 2 equipment against CAN/CSA C22.2 No. 62368-1 and ANSI/UL 62368-1 or equivalent standard as defined in the Canadian Electrical Code C22.1, Section 16-200 and/or National Electrical Code (NFPA 70), article 725.121.

The maximum charging voltage and current from the charger shall not exceed 9V DC and 2A. The ambient temperature during charging should be between 0°C and 40°C (32°F and 104°F).

Mobile phone, model: X802 has been certified with the use of battery: BAT-05000-21S (from Shenzhen Aerospace Electronic Co., Ltd.) only. No other types have been tested as part of this evaluation.

CHARGING SAFETY WARNING

The equipment shall only be charged when in the non-hazardous area using a charger specifically supplied for use with the unit's USB cable and AC charger 1-CHUSQ302-097, which is a CTIA-certified adapter.

Hazardous Location Usage

- It is not allowed to connect any external devices to all ports/ interface (USB) in a hazardous area.
- Explosion hazard - the battery can only be charged in non-hazardous location.
- Do not connect or disconnect through the USB port when energized, unless the location is known to be non-hazardous

Do not operate the device in an environment that might be susceptible to radio interference, resulting in danger.[3] Specifically:

Areas Prohibited By Law

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

Do not operate your device under the following conditions.

- In areas where blasting is in progress
- Where explosive atmospheres may be present
- Near medical equipment
- Near life support equipment, or any equipment that may be susceptible to any form of radio interference.

In such areas, your device MUST BE POWERED OFF. Your device can transmit signals that could interfere with this equipment. Some airlines may permit the use of devices while the aircraft is on the ground. When using your device on an airplane, follow the airline's instructions and either power your device off or put it in Airplane Mode as directed. When the aircraft is in the air, your device MUST be powered off or placed in Airplane Mode. Your device can transmit signals that could interfere with various onboard systems.

[3] U.S. Food and Drug Administration. "Magnets in Cell Phones and Smart Watches May Affect Pacemakers and Other Implanted Medical Devices." Last modified May 13, 2021. https://www.fda.gov/radiation-emitting-products/cell-phones/magnets-cell-phones-and-smart-watches-may-affect-pacemakers-and-other-implanted-medical-devices.
Federal Communications Commission. "Wireless Devices and Health Concerns." Last modified November 4, 2020. https://www.fcc.gov/consumers/guides/wireless-devices-and-health-concerns.

CSA Standard

- CAN/CSA C22.2 No.213-17 +UPD 1(2018) +UPD 2 (2019) +UPD 3 (2021) (R2022)
- CSA C22.2 No.62368-1:19
- ANSI/UL 121201-2021, 9th Edition
- ANSI/UL 62368-1, 3rd Edition

Certification

cCSAus	CSA Certificate No. 80271008
	Class I, Division 2, Groups A, B, C, and D, T4
	Class II, Division 2, Groups F and G.
	Class III, Division 2