sonim.
XP100
USER GUIDE

GENERAL INFORMATION

Congratulations on your purchase of the Sonim XP100 mobile phone! This user guide covers the Sonim XP100 phone.

To use this device, you must subscribe to a service plan from a mobile service provider. We have included many features in this device, but their function depends on the features available with your subscribed wireless network. Please contact your service provider for more information.

Device Models Covered

This user guide covers the **Sonim XP100**, model number X100,

What's in the box?

The Sonim XP100 package includes:

- Sonim XP100
- Quick Start Guide
- SIM Removal Tool
- USB Type-C Cable

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

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. For the full terms and conditions of the warranty, please visit this link: sonimtech.com/support/warranties

Sonim Support Information

For additional product and support information, visit www.sonimtech.com or contact our Sonim Customer Experience Center at https://www.sonimtech.com/about/contact/

Download a User Guide from: sonimtech.com/support/device-support-guides#xp100

Technical Support: globalsupport@sonimtech.com

Phone: For local contact numbers and hours of operation, please visit our website at www.sonimtech.com/support

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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.

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GETTING STARTED

Charging the Battery

When you first receive your phone, it will not be fully charged. We recommend fully charging your phone before first use.

Optimal Charging Temperature Guidelines

For best battery performance and longevity, the ambient temperature during charging should be between 0°C and 45°C (32°F and 104°F).

Do not charge at an ambient temperature below 0°C or above 45°C, as this can result in reduced battery performance and a shorter overall battery life. Charging for too long at too high or too low ambient temperatures can damage unfilled or swollen batteries, and there is a risk of battery explosion.

The physicochemical processes created by chargers impose temperature limits during battery charging. If you notice a swollen battery, please note that this is your phone's way of implementing safety measures to protect the battery in extreme temperatures or conditions.

> **NOTE:** Only the power supplies with outputs that meet the Safety Extra Low Voltage (SELV) requirements[1] can be used for charging. The phone will only allow a maximum input voltage of 5V DC and 1A (5W*).

> ***NOTE:** Using a charger with more than 5 Watts of power is acceptable, but does not provide additional benefits.

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

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[1] 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.

Properly Charging the Battery

To properly charge your device,

1. **Insert the Charger:** Insert the charger plug into a power outlet.

2. **Connect to the Phone:** The charging port is located on the right side of the device. Open the port cover and insert the charging connector into the charging port.

3. **Charging Animation/Icon**

   a. If the battery is being charged when the phone is switched off, a battery charging animation shows that the battery is charging and displays the date and time.

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

   c. After the battery is fully charged, the charging animation stops, and you can disconnect the charger from the phone.

> **!** **IMPORTANT:** The XP100 only has water and dust resistance level protection when the SIM and USB door caps are closed.

SIM Card

The SIM (Subscriber Identity Module) card associates your network services (such as your phone number and data services) with your phone.

The Sonim XP100 comes with a dual SIM card and Memory card tray. However, the SIM card and microSD cards are sold separately.

The Sonim XP100 supports DSDS SIM card technology: Dual SIM, Dual Standby.

Inserting the SIM Card

The phone supports LTE SIM cards. Find the SIM card slot on the right side of the phone. During installation, ensure the chip is facing downwards and pay attention to the direction of the slot.
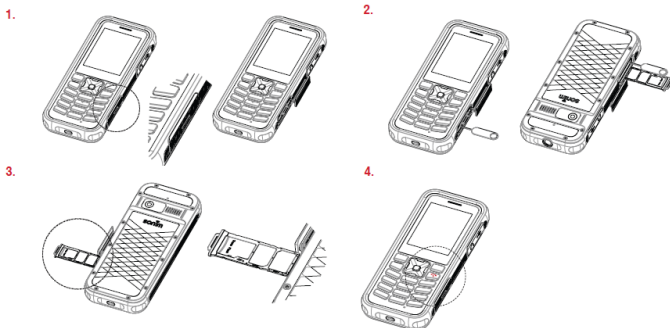
1. Power the phone off. Find the SIM tray door cap on the right side of the phone. Pry open the SIM door cap.

2. Insert the Sonim SIM tool into the SIM tray hole to pop out the tray.

3. Ensure the chip is facing downwards and pay attention to the slot direction.

4. Gently push the tray to its original location at the side of the phone. Securely close the SIM door cap.

NOTE: Keep SIM cards and memory cards out of children's reach.

Inserting the Memory Card

> 📄 **NOTE:** The SD memory card is optional and is sold separately.

Insert the SD memory card to add extra storage space for your music, pictures, videos, and more.

(Please see the illustrations on the previous page for reference.)

1. Power the phone off. Find the SIM tray door cap on the right side of the phone. Pry open the SIM door cap.
2. Insert the Sonim SIM tool into the SIM tray hole to pop out the tray.
3. Insert the SD memory card into the holder, ensuring the slot is aligned correctly.
4. Gently push the tray to its original location at the side of the phone. Securely close the SIM door cap.

> 📄 **NOTE:** To avoid damaging the SIM card, memory card, or the tray, please carefully remove the tray.

USING YOUR XP100

Sonim XP100 - Exterior Device Highlights

Ear Speaker

Camera

DPAD

Power Hangup

T9 Keyboard

MIC

N/C MIC

Loudspeaker

NON-Removable Battery

Lanyard Support

Torch LED

USB-C Charging port

3.5 mm (Audio)

SIM TRAY
SIM1
SIM2
SDCARD

sonim.
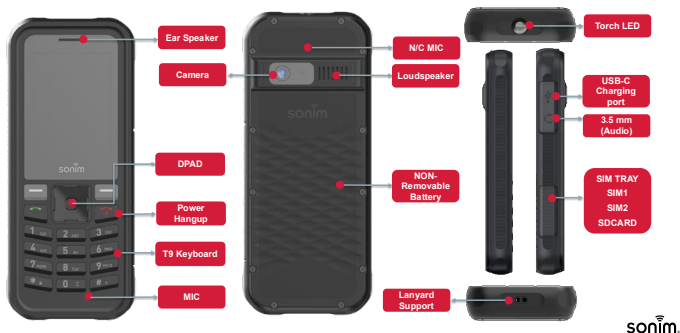
Switching On the Phone

Press and hold the Power key for 2 seconds.

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

Charging Your Phone for the First Time

Your device's battery will not be fully charged when you first receive it. To improve battery life, we recommend charging the battery for 2-3 hours on the first charge.

The charging time to fully charge the battery is approximately 2-3 hours. The battery charging level is displayed on the screen, and you may use your device while it is charging.

Managing the Home Screen

After completing the phone setup, the home screen (also referred to as the **Main menu**) will be displayed. This is the starting point for accessing all the device's features.

Key Description

Key	Function Description
Left softkey	Enter the Main menu
Right softkey	From the home screen, press the key to enter the Contacts. From other screens, it will return to the previous screen.
Green key	Answer the incoming call, and from the home screen, it will take you to the call history.
Red key	Reject an incoming call or end an existing call. Long-press to power the device off. Other screens will return you to the home screen.
Navigation keys	Up: FM Radio Down: Dual-SIM Left: New Chat Right: Profiles (NOTE: These are default settings, and keys can be reprogrammed for different functions. For more information, see **SETTINGS** > **Phone settings**.)
Center key	Confirms the selection on your screen.
Number keys	Inputs the corresponding characters, whether numeric or alphabetical.
*	Dial pad input star character.
#	In **Messages**, it will change the text input function/mode (s_En, s_en, s_EN, En, en, EN, 123 and Writing language).

Example of how to follow a menu path: ((*left soft key)* **Main menu >** *(use Navigation keys to select)* **CONTACTS >** *(left soft key)* **OK)**.

Making a Call

From the Home screen, use the keypad to enter a 10-digit phone number, then tap the green telephone icon key to dial out.

You may also make an outbound call by selecting from your Contacts or by using the speed dial feature.

Turning the Key Press Sounds Off

By default, when you press a key on your XP100, the device makes a sound to confirm your button press.

To turn the key press sounds off, put the XP100 in Silent Mode.

To activate Silent Mode: Go to **SETTINGS** > **Profiles** > select **Silent**. For other modes, please see the **Profiles** section.

Phone Operations without a SIM Card

You can perform the following operations without inserting the SIM card into your phone:

- Make an emergency call.
- View and modify all settings except data usage and mobile network-related settings.
- Access your phone book.
- Access File explorer multimedia files.
- All applications.

How to Enter Text

The XP100 supports predictive text. When prompted by a cursor to enter text (letter, number, punctuation, etc.), remember these tips.

- **To add a space between words**, use the [0] key.

- **To add a punctuation or special character**, use the [*] key, then the Navigation keys to highlight the desired character, and then the Center key to make the selection.

- **To change between upper case and lowercase letters**, use the [#] key to view which of the text input functions is active (s_En, s_en, s_EN, En, en, EN, 123, and Writing language), repeat presses to cycle through choices, and then the Center key to make the selection.

    o (s_En, En) - The first letter of the first word of each sentence will be capitalized.

    o (s_en, en) - All letters entered will be lowercase.

    o (s_EN, EN) - All letters entered will be capitalized (All Caps).

- **To move the cursor**, use the Navigation keys.

Predictive Text

There are three predictive text input functions (s_En, s_en, s_EN). When any of these is selected, type your intended word by pressing once on the numeric keys [2] through [9], corresponding to the desired letter.

Example (predictive text input modes)

To enter the word "Hello":

1. Select the text input function of "s_En" by using the "#" key.
2. Press the keys [4], [3], [5], [5], and [6].
3. "Hello" will be displayed at the bottom of the screen.
4. Press the input key to select the highlighted word, or if given options, use the navigation keys to move left and right to choose the desired word.

    - (Alternatively) Once the correct word is highlighted, press the [0] key to insert a space and continue entering your next word.

Example (non-predictive text input modes)

With the selection of the text input function, "en," type the word "home" by hitting the [4] key twice to get the "h," the [6] key three times to get the "o," wait one second and hit the [6] key just once to get the "m" and the [3] key twice to get the "e."

HOME SCREEN MENU OPTIONS

Contacts

(Main menu > CONTACTS > OK). Your XP100 can store up to 2000 contacts on the handset itself and an additional number of contacts on your microSD card, depending on size.

To view the number of contacts stored on your device, go to **CONTACTS > Options > Others > Memory status.**

How to Create a New Contact:

1. Go to **CONTACTS > Options > New > OK >** select **Name >** then press the Center Key.

2. Enter your contact's name on the first line. To change between upper-case and lowercase letters, use the # key and select your desired layout. Type in the first name of your contact. Use the "0" key to insert a space. Then type the last name of your contact.

3. Press **OK** when complete.

4. Select **Mobile** and enter the contact number.

   - **NOTE**: The device allows you to type in any length of numbers, so please pay attention before saving.

5. Enter in the **Home number**.

6. You can add your contact to any one of 4 pre-established groups:

   - **Family**
   - **Friends**
   - **Business**
   - **Classmates**

7. You can assign a ringtone to this contact from either Phone ringtones or your sound files.

8. You can assign a photo/icon to your contact.

- To add a photo/icon, go to **Modify image** > choose **Select from Album** > (Take Photo) or select the Default Icon.

> **NOTE:** Within the Contact section, you can view ALL contacts in an alphabetical list, or you can display your contacts via Groups – Family, Friends, Business & Classmates. From the CONTACTS screen, toggle left and right using the navigation keys to select the **All** or **Group** tabs.

How to Share Your Contact Information

To send your contact information to a contact on your device, go to **Main menu > CONTACTS** > **Options** > **Send vCard > OK >** select to send via **SMS**, **MMS**, or **Bluetooth > OK**.

Write a message

You can send a message to a contact by:

1. Highlighting their name,
2. Select **Options** and
3. Scroll to and select **Write message**.
4. Select the number you would like to send the message to and press **OK**.
5. Type your message to your contact, and when complete, hit Options.
6. Choose **SEND** to send the message, or choose **ADD** to:

- Add contact info;
- Add a Phiz (emoticon);
- Add a template (pre-written fast replies);
- Add a subject line to your message;
- Add a picture to your message;

- Take a photo from your phone and add to the message;
- Add an audio file to your message;
- Record an audio file and attach it to your message;
- Add a saved video file to your message;
- Shoot a video and attach it to your message;
- Attach your vCard to your message; or
- Attach other files from your phone to your message.

Setting Speed Dial numbers

Go to **Main Menu > CONTACTS > Options** > **Others > OK > Speed Dial > OK.**

Select a location 2-9 (1 is reserved for Voicemail), and either enter the phone number OR use the shortcut key to select an existing Contact. When complete, press **OK**.

Calling a Speed Dial contact

Press and hold the number of the speed dial contact.

Messages

(Main Menu > MESSAGES > OK). Your XP100 allows you to send SMS and MMS messages.

New Chat

To send a text message from the MESSAGE folder:

1. Select **Options** > **New Chat > OK**.
2. Either start typing the name of your contact(s) you would like to send a message to or press the center key on the directional keypad to display all your contacts. Scroll to the contact(s) you would like to send a message to and press the center key on the directional keypad to select the desired contacts.

3. Press **OPTIONS** and select **OK**. The desired contacts who will receive your message are listed in the top window of your screen.

4. Use the down key on the directional keypad to access the messaging field and type your message. Use the # key to change your text input function (s_En, s_en, s_EN, En, en, EN, 123, and Writing language).

5. Type your message.

6. When complete, press **OPTIONS** and,

      a. **SEND** to send, or

      b. **ADD** if you want to add:

            o   Contact information;
            o   an emoticon;
            o   a template;
            o   a subject line;
            o   a photo saved from the device;
            o   a new photo;
            o   audio;
            o   record a new audio clip to send;
            o   a saved video from your device;
            o   a new video recorded from within the message;
            o   a vCard; or
            o   other files.

Templates

(Main Menu > Message > Options > Templates > OK). The XP100 has five (5) pre-created quick replies with the ability for you to create five (5) additional quick replies. You can edit the pre-created five and create up to ten (10) custom quick messages of your own.

Settings

- SIM1 SMS center
- SIM2 SMS center
- SMS validity period Maximum
    - 1 hour
    - 6 hours
    - 24 hours
    - 72 hours
    - 1 week
- Status report
- Reply path
- Use simple characters
    - Auto (default)
    - On
- Preferred storage Phone
    - SIM
    - Phone
- Export SMS
    - Select export box
        - Inbox SMS
        - Draftbox SMS
        - Securitybox SMS
        - All boxes SMS
    - Export path Phone:\SMS
        - Default
        - Customize (select from available paths presented)
- Auto signature
- Signature (enter text of your choice)

Push Message (the push message feature, also known as push notifications, allows apps to send you timely updates, alerts, or messages, even when the app isn't actively running. These pop-up messages, displayed on your lock screen, notification center, or as banners, can include text, images, and even links. They are a common way for apps to communicate with users and can be used for various purposes, such as reminders, news updates, or promotional offers.)

Security Inbox (enter new password (1–8-digit))

Cell broadcast list (this sub-menu populates once an active SIM card is in use on the handset)

Voice mail server (this sub-menu populates once an active SIM card is in use on the handset)

Message capacity

- SMS memory
    - SIM1d
    - SIM2
    - Phone
- MMS memory
- Memory of undownloaded MMS
- WAP Push memory
- OTA memory

> **NOTE:** When you see a phone menu displayed as a numbered list, you can press the corresponding number on the numeric keypad to jump directly into the sub-menu.

Call Logs

(Main Menu > CALL LOGS > OK). In this section, your call records will be kept. You can reference the following:

- **[1] All Calls**
- **[2] Missed calls**
- **[3] Dialed calls**
- **[4] Received calls**
- **[5] Rejected calls**
- **[6] Delete all**
- **[7] Call timers**

    This will show the call times of:

    - o Last call made or received
    - o All received call times
    - o All dialed call times
    - o Total call history

    NOTE: You can use the **RESET** key at the bottom of the screen to reset all your timers.

- **[8] Data service counter**

    This will show data size of the:

    - o Last file sent
    - o Last file received
    - o All sent
    - o All received

    NOTE: You can use the **RESET** key at the bottom of the screen to reset the data values.

Settings

(Main Menu > SETTINGS > OK). In this section, you can customize your phone to your preferences.

[1] Call Settings

(Main menu > SETTINGS > Call Settings)

- **Dual SIM**
    - **Standby Mode**
        - **SIM1**
        - **SIM2**
        - **Select when power on**
    - **Reply by original SIM**
        Instead of using an active SIM, use the SIM that originally received the call or message.
        - **Reply call**
        - **Reply message**
    - **Set SIM name**
        From this setting, you can change the name of your SIM cards; both SIM1 and SIM2. Names are limited to 20 characters.
- **Call Forwarding**
    You can forward calls from your device to other devices if you desire. The options for call forwarding are:
    - Call forwarding unconditionally
    - Call forward with conditions
        - When activated, you can divert to a specific phone number or directly to voicemail
        - Cancel all diverts
- **Call Waiting**
    Activate or cancel this feature for Call Waiting to be active or inactive on your device

- **Call Barred**

  The following rules can be activated for Call Barring:

  - All outgoing calls
  - All incoming calls
  - Incoming calls when roaming
  - ISD calling
  - Dial when international roaming
  - Cancel all barring
  - Change password

    - **To change your password, you must first establish a 4-digit password.**

- **Hide ID**

  Hide ID permits you to:

  - hide the ID of your device,
  - display your own ID or,
  - display ID by network (default)

- **Others**

  - **Call time minute reminder**

    You can use this feature to set an alert to remind you when you are about to incur another minute of usage. Options for this feature are:

    - Off (default)
    - 50 seconds
    - 55 seconds
    - 60 seconds
    - Customize (allowing you to select any value from 1 to 60 seconds)

  - **Auto Redial**

    The default is set to OFF.

  - **Vibration when connected**

    The default is set to OFF.

  - **Reply SMS after reject**

    The default is set to OFF.

[2] Phone Settings

(Main menu > SETTINGS > Phone Settings)

- **Time & Date**

  From here you can adjust various settings involving the time and date of the device.

  o **SET TIME**

  You can manually type in the desired time. If you adjust the time, it will deactivate the auto update of the network time. Simply use the keypad to type in the desired time and the center key on the directional keypad to change AM or PM.

  o **SET DATE**

  You can manually type in the desired date. If you adjust the date, it will deactivate the auto update of the network time. Simply use the keypad to type in the desired date. The format for this function defaults to YYYY.DD.MM but can be changed by using the DATE FORMAT feature.

  o **TIME FORMAT**

  Use this feature to choose between a 12-hour format or a 24-hour format.

  o **DATE FORMAT**

  The default format for date is YYYY-MM-DD, however you have the option to adjust to MM-DD-YYYY or DD-MM-YYYY.

  o **UPDATE TIME SETTINGS**

  Use this feature to select whether you want Auto update time settings (default) or Manual update time.

- **Language Settings**

  The Sonim XP100 supports 27 different displays & written languages. To adjust the primary display or written languages,

go to **Settings > Phone Settings > LANGUAGE SETTINGS > ** and select either the display language or written language you wish to use, and then press the center directional keypad key to set that language setting.

- **Shortcut Settings**

    You can use this feature to customize the directional keypad functions. To change the shortcut action, highlight the button you would like to assign, and choose **SELECT**. Scroll to the desired action and press the center key of the directional keypad. The new value will be the assigned action when the respective key is pressed.

    The default settings for your device are:

Top right soft key (above red key)	**Contacts**
Up directional key	**Audio player**
Down directional key	**Dual-SIM**
Left directional key	**Write message**
Right directional key	**Profiles**

- **Auto Power On/Off**

    Use this feature to turn your device on and/or off at a specified time. You can also choose when this feature is active – once, daily, or on working days only. If you choose "working days," the device will open a new screen and prompt you to select your working days.

- **Restore factory settings** (Factory Reset)

    Selecting this option will prompt you to **Clear user data.** You are asked to press **OK** or **Cancel**. If you press OK, no additional warning will be displayed. Your device will immediately be cleared to its original factory settings, losing all your data, including contacts, photos, texts, and more.

<u>Back up important data before proceeding, as you will not be
able to recover it if you do not</u>.

- **Waterproof information**

    This feature notifies you when an open port is detected on
    your device, reminding you to close the port to ensure the
    device is protected from water exposure.

- **Model**

    You will find the model's name (X100) and the current
    software build in this section.

[3] Display Settings

To adjust display settings on your device, go to **Main menu** >
SETTINGS > **Display** > and then select:

- **Wallpaper Settings**
    - o   Select from either preloaded wallpaper options or
      from more pictures.
- **Contrast**
    - o   To adjust the contrast of your screen, simply
      highlight Contrast and use the left/right directional
      keypad to lighten or darken your device display.
- **Backlight**
    - o   To adjust the length of time your screen will stay lit,
      use this function to have the backlight:
        - ▪   Always on
        - ▪   30 seconds
        - ▪   20 seconds (default)
        - ▪   15 seconds
        - ▪   10 seconds
        - ▪   5 seconds

- **Keypad Backlight Time**
  - o To adjust the length of time your keypad will stay lit, use this function to have the backlight:
    - 20 seconds
    - 10 seconds (default)
    - 5 seconds
    - Night mode
    - Off
- **Font Size**
  - o To adjust the font size of characters on your display, use this function to adjust the font size to:
    - Big
    - Normal (default)

[4] Security Settings

To adjust your security settings, go to **Main menu** > **SETTINGS** > **Security**. From here you can control:

- **PIN**

  Must have a SIM card to utilize this security feature. Upon first use, you must set a 4–8-digit PIN. Make this an easy number for you to remember. Should you fail to remember your PIN, you will need the PUK to unlock your SIM. If you do not have the PUK or PIN number, you will need to contact your service provider. A <u>factory reset</u> will NOT re-open your device for you.

- **Modify PIN 2**

  Must have a SIM card to utilize this security feature. For PIN2, you must also create a 4–8-digit PIN, and you will have up to 10 attempts to recall this PIN before you are locked out. A factory reset will NOT re-open your device for you.

- **Phone lock**

  Use this setting to set a 4–8-digit password.

- **Modify the cellphone password**

Use this to change the password of your device. To change the password of the device, you must know the original password.

- **Privacy**

  You can restrict access to anyone, all, or any combination of the features below using the device password you create in the **Phone lock** setting. To gain access to any restricted feature, input the 4–8-digit password of the device that the user of this device created.

  - o   Call logs
  - o   Message
  - o   Camera
  - o   Contacts
  - o   My files
  - o   E-books
  - o   Calendar
  - o   File Transfer
  - o   Audio player
  - o   Video player

- **Auto keypad lock**

  You can set the auto keypad lock of your device to:

  - o   Off
  - o   5 seconds
  - o   15 seconds
  - o   30 seconds (default)
  - o   1 minute
  - o   5 minutes

- **Lock screen by End-Key**

  NOTE: Default is enabled ON; this feature allows you to lock the keypad by pressing the END key. To turn this feature on or off, simply press the center key on the directional keypad.

- **Fixed dialing number**

This feature requires a SIM card.

- **Blacklist**
  Using this feature allows you to blacklist phone numbers. To use this feature, you must first turn on the blacklist feature with the **Blacklist settings**. It is OFF by default.

  o **Blacklist –** shows your list of blacklisted phone numbers.

  o **Blacklist settings** allow you to turn on or off the Audio call interceptor as well as the Message interceptor.

[5] Profiles
(Main menu > SETTINGS > Profiles)

- **Normal**
- **Silent**
- **Meeting**
- **Indoor**
- **Outdoor**
- **Pager**
- **Headset**
- **Flight Mode (Airplane Mode)**

These are the default names, and each has its respective parameters concerning network access, volume levels, and vibration. The Profile's name and parameters are customizable. Select the desired profile **> Options > Settings >** (then choose from the list of sub-menus and customize available parameters): **Rename, Ring settings, Adjust volume, Ring type, Other alert rings**.

[6] Connections
(Main menu > SETTINGS > Connections)

- **Network Account**

   This feature will identify the network your SIM card is currently connected to.

- **Data Service**

   The default is ON, and when checked, this box will provide data service to your device. If the box is unchecked (OFF), no data service will be available for your device, therefore no phone or messaging service would be available.

- **Data Roaming Connect to Data Services When Roaming**

   The default is OFF, thus preventing accidental roaming charges from accumulating. Should you wish to allow roaming, check this box and roaming will be permitted and where available should your home network not be available. Additional charges may apply. Please contact your service provider to understand roaming charges.

- **Preferred Data SIM**

   When you insert 2x SIM cards, you can select either SIM1 or SIM2 as the preferred data SIM, the other would be the preferred voice SIM. This is a typical use case of DSDS - one SIM is for data, the other for voice.

- **Network Selection**

   This setting will allow you to automatically or manually select your desired network. If you select AUTO, the device will select the network with the strongest signal, and if you pick MANUAL, you will be able to self-select from the networks the device detects.

- **Network Type**

   This setting will allow you to select the type of network your device will search for. Your options are:

   - 4G (recommended and default)
   - 3G
   - 2G

[7] Bluetooth

(Main menu > SETTINGS > Bluetooth)

- **Bluetooth**
  This setting allows you to turn Bluetooth on or off. With this setting OFF, you will not have any Bluetooth connections available.

- **Bluetooth Visibility**
  This setting will enable your device to appear on other available Bluetooth lists, allowing you to connect with them.

- **Paired Device**
  This setting allows you to pair a new Bluetooth device with your Sonim XP100. Select **ADD**, and a list of available devices will appear on your screen. Highlight the device you would like to add and follow the on-screen instructions.

- **Transferring Files**
  When you pair two XP100 devices, a file can be transferred from one device to the other.

- **Device Name**
  This setting displays the name of your device, which appears in Bluetooth search lists. You may change your device name here. Your device name can be up to 20 characters.

- **Bluetooth File Storage**
  This setting will allow you to store your Bluetooth files. If you do not have a microSD card, your only option will be your Phone.

[8] Check Update

(Main Menu > Settings > Check Update). This feature will allow you to check for new software/firmware versions for your device. If you would like to check for a newer version of software/firmware, select **OK**.

[9] Power Management

(Main Menu > Settings > Power Management). This feature will provide battery guidance.

- **Battery care**

  The default setting is **OFF**; however, you have the option to turn this setting **ON**.

  Enabling this setting, the device will stop charging once the battery reaches 80% to prolong its life.

- **USB power saving**
  - **Auto power ON**

    The device will power ON when the USB device is connected.

  - **Auto power OFF (time-based)**

    Selecting this option will automatically power the device off at the specified time you set.

  - **Auto power OFF (USB disconnected)**

    Selecting this option will automatically power the device off after it has been disconnected from USB power for a preset number of hours.

TK [SIM Tool Kit]

(Main Menu > Settings > STK > OK). The phone supports value-added services provided by the SIM, different network operators to offer different types of services, and this menu is shown only if your SIM card supports. The name and contents of the menu depend on the available services. Ask your network about availability, price, and information on the SIM card service operator's advisory.

Camera

(Main Menu > CAMERA > OK). Your XP100 features a 2MP rear camera, capable of capturing both still frames and video recordings.

- **Taking a photo**
    - Point the camera and frame the photo's subject to your liking. Press the Center key on the directional pad to take the picture**.**
    - **To adjust the zoom (up to 6x)**, use the up/down keys on the directional pad.
- **View a photo**
    - **More options > Image viewer**, or
    - **Main menu > IMAGES > OK.**
- **View a video**
    - **Main menu > APPS > OK > [6] Video.** Scroll left and right to see saved videos.

How to Switch Between Camera and Video Function

To switch between the camera and the video recorder,

1. Open the Camera
2. Select **Opt**.
3. Select **More options > OK**
4. Use the up/down keys on your directional pad to select between **Camera** or **Video**.
5. **Select**

Changing Parameters on Your XP100 Camera

To change the various Camera/Video parameters, open your **CAMERA > Opt. > More options > OK**, and your options of editable parameters will be:

- **Shoot mode:**
  - o Camera (default)
  - o Video
- **Size***
  - o 1600x1200 (default)
  - o 1200x1600
  - o 1280x960
  - o 960x1280
  - o 640x480
  - o 480x640
  - o 320x240
  - o 240x320

  > ***NOTE**: The video mode options are limited to the four notated with an asterisk. The Size options are only 160x128 or 128x96.

- **Night Mode**
  - o Activate
  - o Off (default)
- **Brightness***
  - o Use the up/down keys on the directional keypad to raise or lower the brightness.
- **Contrast***
  - o Use the up/down keys on the directional keypad to raise or lower the contrast.
- **Exposure bias**
  - o Use the up/down on the directional keypad to raise or lower the exposure bias.
- **Frame**
  - o Scroll up/down to select a frame for your photo.
- **Continuous Shot**
  - o Disable (default)
  - o 3 shots

- o 6 shots
- **White balance**
  - o Auto (default)
  - o Incandescence
  - o Fluorescent
  - o Sunny day
  - o Cloud
- **Delay**
  - o Disable (default)
  - o 3 seconds
  - o 10 seconds
- **Effect***
  - o Normal (default)
  - o B&W - Black & White
  - o Blue
  - o Green
  - o Yellow
  - o Red
  - o Sepia
  - o Negative

How to Edit Images

You can edit your photos on your XP100. To edit your photos, go to the photo you would like to edit (either through Camera or Images), select **Options**, scroll to, and select **Edit image**. From here you can:

- **Rotate the image**
  - o To rotate the image, click on **Rotate**, and the photo will be displayed in 4 different rotations. Select the desired rotation and press the center key on the directional keypad, and either select **Save** or **Undo**. If you choose **Save**, you will need to name the new file.

- **Adjust the image**
    - o To adjust the image, click on Adjust and a menu will open, allowing you to adjust the brightness, contrast & color of the image.
- **Add an effect to the image**
    - o To add an effect to the image, click on Effect and select the effect from the options available along the top of the screen.
- **Add Text to the image**
    - o To add text to the image, click on Text and:
        - Add the text you would like to add in the Content box.
        - Select the font size.
            - Large (default)
            - Medium
            - Small
        - Select the Font color.
        - Select the Border color.
        - Select the Direction of your text.
            - Horizontal (default)
            - Vertical
- **Add a clip to the image**
    - o To add a clip to the image, click on Clip and select the clip you would like to add from the options available along the top of the screen.

How to Rename an Image

To rename an image on your XP100, open **IMAGES** and scroll to the image you would like to rename. Select **Options** and scroll to and select **Rename**. Enter the new name of the image and press **OK**.

How to Change the General Settings of Your Camera

To change the camera's general settings, go to **CAMERA > Opt. > Settings > OK**, and your options will be:

- Quality
  - o Low
  - o Normal (default)
  - o Advanced
- Banding
  - o 50Hz (default)
  - o 60Hz
- Shutter sound
  - o Default is OFF. Press the center key on the directional pad to turn ON.
- Auto save
  - o Default is ON. Press the center key on the directional pad to turn OFF.
- Preferred storage
  - o Phone (default)
    - ▪ This will be your only option if there is no microSD card inserted.

How to Restore the Default Camera Settings

To change your settings back to the original factory settings, go to **Camera > Opt. > Settings > OK> Restore Default**. Press **OK** (left soft key) to confirm or Cancel (right soft key) to dismiss any changes and return to the Camera screen.

Help Menu for Camera Shortcuts

To review the camera help menu, go to **CAMERA > Opt. > Help > OK**. While in the camera's preview interface, you have access to shortcuts that allow you to adjust the camera's parameters.

- To adjust the brightness of your image, press the [*] key to increase the brightness and the [#] key to decrease the brightness.

- The up/down keys adjust the focal length (in capture mode) or contrast (when in video record mode).

- The left/right keys display the camera parameters menu.

- Numeric keypad

  o Key [1] is not applicable to the XP100.

  o Key [2] toggles between the picture capture and video record modes.

  o Key [3] circularly switches the size of the picture capture.

  o Key [4], the night mode on or off in capture mode, or the effect in record mode.

  o Key [5], the white balance in capture mode.

  o Key [6], the remaining time in capture mode.

  o Key [7], the storage location.

  o Key [8], the number of continuous shots.

Applications

(Main Menu > APPS > OK). The XP100 includes "APPS" to keep you productive.

[1] Torch

Your XP100 has a torch (flashlight) located on the top of the device.

- **To turn your Torch on:** open APPS, select **Torch**, and press the left hot key.
- **To turn the Torch off:** press the same key again.

[2] World Clock

Your XP100 features a world clock that displays the current date and time for four time zones worldwide.

To set your world clock:

1. Open APPS
2. Scroll to and select [2] **World clock**
3. Select **Options**
4. Select **Add City** and scroll through the list to select the desired city/time zone.
5. Options
   - **You can sort** your available cities by either time zone or city name from within the Add City sub-menu by clicking **Options** and choosing Sort by.
   - **You can delete** cities/time zones by clicking Delete City, scrolling to the city you wish to delete, and pressing **OK**.
   - **You can also set** daylight saving time options by city.

[3] Unit Conversion

Your XP100 includes a unit conversion tool, allowing you to convert between weight and length units.

The **weight** conversion tool will convert:

- Kilograms to pounds
- Kilograms to ounces

The **length** conversion tool will convert:

- Kilometers to miles
- Miles to yards
- Meters to feet
- Centimeters to inches

[4] Stopwatch

Your XP100 includes a stopwatch feature.

- While the stopwatch is running, press the center key on the directional keypad to activate the split timer.

- You can stop & start the stopwatch by pressing the left hot key.

- To reset the stopwatch to 0.00, press Stop and then press the center key on the directional keypad.

[5] Audio

Your XP100 has an Audio player allowing you to listen to your preferred music.

- You can add new lists.

- You can access music files on your Sonim XP100 by storing them on your microSD card or transferring them from your computer.

- Set a song to be used as a ringtone.

- All tethered audio will be supported via the 3.5mm audio jack. No audio is supported through the USB-C connection.

- You can use Bluetooth to connect to a Bluetooth-enabled headset.

[6] Video

Use the XP100 to record a video with sound.

- Videos save as MP4 format.

- Adjust the screen brightness on a scale between 1 and 7.

- View the video's details to learn the date, time, file size, location, resolution, and duration.

[7] Sound Recorder

Use the XP100 to record a voice memo.

- Choose a file format: MP3, AMR, or WAV file.

- Choose to store audio files on the phone or an SD Memory card (optional accessory, sold separately).

[8] Organizer

The Organizer on the XP100 allows you to organize your Memos, Files, and E-books easily.

[1] MEMOS

You can create memos, each up to 1,000 characters.

[2] FILES

Files stored on your device are stored here. These files include:

- o @fota_adups
- o Alarm
- o Audio

- DCIM
- E-books
- File array
- Memo
- Others
- PB
- Photos
- Video
- vCard

[3] E-BOOKS

You can access your E-books on your Sonim XP100 by storing your E-books on your microSD card or transferring E-books over from your computer.

FM Radio

(Main Menu > FM RADIO > OK). Your XP100 has an FM Radio built in. You can listen to FM Radio without a headset, as the device itself functions as the antenna.

- **To change stations,** use the left/right keys on the directional keypad to scan to the next available station.
- **To adjust volume for your FM Radio:** use the up/down keys on the directional keypad to raise or lower the volume.
- **You can use the Auto search** and save function to run a scan of the channels and save those stations that are within your listening area. The XP100 will save up to 40 channels.
- **You are also able to do a manual search** of radio stations by typing in the frequency, using the * key as the period. Use the CLEAR button to back up a character.
- **You are also able to set pre-determined time & frequency recording sessions**. To do so,
    1. **FM RADIO > Options > Timing record > OK**.
    2. Turn ON timing record by selecting **Open timing record**. It will then read "**Close timing record**."
    3. Scroll down to **Predefined time & frequency**.
        - Select the **Start time** (in 24-hour format). Scroll left to right and use the numeric keypad to enter the time.
        - Select **Record duration (minutes)** and enter how long the recording session will last.
        - Select the frequency (radio station) you wish to record.
        - Select the schedule of your recording session:
            - Once
            - Daily (default)
            - Working days

NOTE: Once a scheduled recording session has been set, it will be noted on the main screen.

Clock

(Main Menu > Clock >OK). The Clock features an alarm and a timer.
You can toggle between these two features by using the directional
keys to scroll left and right.

- **ALARM**

    The Alarm feature provides three unique alarms, giving you the
    opportunity to set up to three distinct alarms tailored to your
    needs. To utilize this feature, select one of the alarm options by
    pressing the center key on the directional keypad. Once
    selected, you can:

    1. Create a unique name for the alarm.
    2. Set the alarm's time. You will set the desired alarm by
       typing the time using your keypad (in 24-hour format).
    3. Choose your desired ringtone, using fixed ringtones,
       other ringtones you have saved to your device, or you
       can create your alarm ringtone by recording it right on
       the spot by using the RECORDING RINGTONE option
       from within the Ringtone sub-menu.
    4. Choose how often you want this alarm to be repeated.
        - Once
        - Daily
        - Working days
            i. When Working days is selected, a new
               window will pop open and allow you to
               choose the appropriate "working days"
               for your desired alarm to be active.

- **TIMER**

    The Timer feature allows you to set a timer alert for up to 24
    hours in advance.

To activate, enter the desired length of your timer and press the center key on the directional keypad to start the timer immediately.

To stop the timer, press **Stop** (left-hand soft key, just above the green TALK key).

To reset the timer, after you have stopped it, select the RESET button (the left-hand soft key, just above the green TALK key), and the value will return to 1:00 (the default value).

Images

The images taken from your XP100 device will be stored in the IMAGES section.

HOW TO VIEW YOUR IMAGES

To view your images, you have two different ways:

1. From the Main Menu, open **IMAGES** and press the center key on the directional keypad. Images saved on your XP100 will appear.

2. From the Main Menu, open **CAMERA**, select **Opt.**, scroll to, and select **Image Viewer**. Images saved on your XP100 will appear.

Slideshow

Your XP100 features a slideshow function that allows you to display a sequence of images on your device. To play this slideshow, open **IMAGES**, select **Options**, scroll to, and select **Slide play**. Once selected, it will play a continuous loop of the images on your device. Slide play will only play photos, not videos. It will continue until you end the loop by pressing any of the two soft keys immediately below the display: the green key, the red key, or the center key on the directional keypad.

Calendar

Your XP100 has a calendar to keep track of important dates & activities. Opening the calendar displays the current month's view, with today's date highlighted.

For dates with scheduled events, a "▪" will appear under the date of the event.

Select **Options** to add a new scheduled event, view your schedules, view all schedules, clear today's schedule, clear all schedules, go to a specific date, or change your calendar to a daily or weekly view.

Adding A New Event To Your Calendar

1. Open Calendar
2. Select Options
3. Select Add new schedule
4. Enter the Subject
5. Select the Date
6. Enter the start time
7. Choose a ringtone
8. Choose Repeat mode (once, daily repeat, weekly repeat, monthly, yearly, or no reminding)
9. Save (the left-hand soft key, just above the green TALK key)

Calculator

Your XP100 includes a calculator that allows you to perform addition, subtraction, division, and multiplication functions.

Using the Options key, you can access the M+ key, M-, MR (Memory Retain), and MC (Memory Clear) functions.

Use the Clear function to reset the calculator and return your value to 0.

Games

From here, you can play several games. To launch a game, highlight the game and select **OK**.

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 Flight (Airplane) mode.
	Do not expose the device to high temperatures (more than 55°C / 131°F).
	Adhere to road safety laws. Do not hold or use a phone while driving; find a safe place to stop first. Use a hands-free microphone while you are driving.
	Avoid using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.
	Use only Sonim XP100-approved charging equipment to charge your phone and avoid damage to your phone.

	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 at their end-of-life.
	Ensure that only qualified personnel install or repair your phone.

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

Areas Where Prohibited By The 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.

Where Explosive Atmospheres Might Be Present

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

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

Potential locations can include gas stations, below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would generally be advised to turn off your vehicle engine.

Users are advised not to operate the device while at a refueling point or service station.

Users are reminded to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress.

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

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

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

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 certain equipment and systems.

Aircraft Safety

Some airlines may permit the use of cellular phones while the aircraft is on the ground; however, always follow the directions of the airlines and either power your device off or put the phone in Flight (Airplane) Mode as directed. At all times when the aircraft is in flight, your device MUST be powered off or placed in Flight (Airplane) Mode. Again, your device can transmit signals that could interfere with various onboard systems.

NOTE: Some airlines may permit the use of cellular phones while the aircraft is on the ground. Your device may be used at this time, if allowed by airlines.

Vehicle Safety

The driver or operator of any vehicle should not operate the device while in control of a vehicle. Doing so will distract from the driver or operator's control and operation of that vehicle. In some jurisdictions, operating such communications devices while in control of a vehicle is an offense.

Sonim Rugged Performance Standards

The Sonim XP100 device is waterproof and can be submerged to 2 meters for 30 minutes.

Water droplets may condense under the display cover if the phone is immersed in water with a significant drop in temperature. This does not indicate water leakage, and the droplets will disappear when the display reaches room temperature.

The Sonim XP100 is dust-resistant, rugged, and shock-resistant. However, it is not dust-proof or unbreakable if subjected to overwhelming impact. For the best results and a long product life, one should protect the XP100 from salt water, dust, and strong impacts.

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, which could be detached and create a choking hazard.

Personal Medical Devices

Based on current research, cell phones do not seem to pose a significant health problem for pacemaker wearers. Nevertheless, people with pacemakers may want to take some simple precautions to be sure that their cell phones don't cause a problem, including:

- Hold the phone to the ear opposite the side of the body where the pacemaker is implanted to add some extra distance between the pacemaker and the phone.

- Avoid placing a turned-on phone next to the pacemaker implant. For example, don't carry the phone in a shirt or jacket pocket directly over the pacemaker.

In the unlikely event that EMI occurs, it could affect a pacemaker in one of three ways:

- Stopping the pacemaker from delivering the stimulating pulses that regulate the heart's rhythm.

- Causing the pacemaker to deliver the pulses irregularly.

- Causing the pacemaker to ignore the heart's own rhythm and deliver pulses at a fixed rate.

Testing and Evaluating Potential Cell Phone Interference

Due to concerns that EMI could potentially affect certain electronic medical devices, the FDA took a leading role in developing detailed test methodologies to measure the EMI emitted by cell phones from implanted cardiac pacemakers and defibrillators. This test method is now part of an international standard (ISO 14117) and is used for testing and evaluating potential EMI from cell phones, thereby minimizing risk to patients worldwide.

The FDA continues to monitor the use of cell phones for possible interactions with other electronic medical devices and will develop new assessment methods to help ensure minimal to no impact on the function of these devices by EMI.

Emergency Calls

Mobile phones operate using radio signals, which cannot guarantee a connection under all conditions. Therefore, you should never rely solely upon any mobile phone for essential communications (i.e., 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.

Protecting Your Personal Information

Your device can store personal information in various locations, including a SIM card, eSIM, memory card, and built-in memory. Be sure to remove or clear all personal information (perform a [Factory Reset](#)) before recycling, returning, or giving away your device. Choose your third-party apps and updates carefully, and install them only from trusted sources. Some apps can impact your product's performance and/or have access to private information, including account details, call data, location details, and network resources.

Check with local electronic retailers to see if they offer in-store recycling options.

Features and Specifications

Core Platform / Functions

Chipset	Unisoc T127, Single Core, 1.0GHz
Bands	GSM 850/900/1800/1900 MHz
	UMTS: B1/B2/B5/B8
	LTE Bands: B1, B3, B7, B8, B20, B28, B38, B40 & B41
Memory	64MB DDR2, microSD card supports up to 128MB
Languages Supported	English, Spanish, French, Portuguese, Hungarian, Italian, German, Greek, Czech, Slovak, Romanian, Croatian, Danish, Netherlands, Estonian, Finnish, Swedish, Serbian, Polish, Norwegian, Lithuanian, Latvian, Russian.
Battery	1800mAh embedded battery, 3.8V Li-Ion, removable by a repair center
	• Talk: 13 hours; Standby: 280 hours
	• Battery Manufacturer: Veken
	• Battery Model Number: BAT-01800-01S

Connectivity

Bluetooth	5.0
SMS/MMS	Supports SMS and MMS

Physical Characteristics

Size	145x62x16.2mm
Weight	165g (with battery)
Ports	USB Type C, USB 2.0, & 3.5mm audio jack
Operating Temperature	-20℃ to 55℃ (-4℉ to 131℉)
Rugged Certifications	MIL-STD-810H; IP68; IPX9K

Display

Size	2.4," Gorilla Glass 3
Resolution	QVGA (240x320), TFT, 60Hz
Colors	262k

Audio

Microphone	Dual Microphone with noise cancellation
Speaker	Single rear-facing speaker on the back

Multimedia

FM Radio	Yes, it can be used without a headset.
Camera	2MP front-facing camera

ADDITIONAL BATTERY INFORMATION

Battery Usage

Your Sonim XP100 phone comes with a non-removable (embedded) battery and can only be accessed by the Sonim Service Center. For any battery-related questions, please contact the Sonim Customer Experience Center https://www.sonimtech.com/about/contact/

- It is recommended to protect the battery from extreme temperature environments and moisture.
- Please keep the battery out of the reach of children.

Verifying And Optimizing Battery Usage

You can check the battery usage status under the Power Management sub-menu found under Settings.

The current battery level (strength, and whether charging or not charging), is displayed just to the left of the time in the upper right-hand corner of your screen.

Tips To Extend The Battery Life

Follow these tips to extend your phone's battery life.

- Set your screen contrast to a lower level (found under **Main menu > SETTINGS > Display**)
- Reduce your backlight time for both the screen and your keypad (found under **Main menu > SETTINGS > Display**)
- If you do not need phone or texting capabilities, activate Flight Mode (found under **Main menu > SETTINGS > PROFILES > Flight mode**)

Avoid Extreme Temperature

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

Cleaning and Maintenance

- Keep the charger dry – it is not water-resistant. Do not touch the charger with wet hands. This could lead to a short circuit, a potential electric shock, or a malfunction of the device.

- Before cleaning this device, ensure it is powered off and disconnected from the charger.

- If your device has a broken screen, stop using the device right away and contact the Sonim Customer Experience Center to start a repair/RMA order.

- Do not attempt to remove the back cover of the device where the battery resides. Doing so may void the warranty. The device is only authorized to be opened by a duly authorized Sonim Service Center.

GUIDELINE FOR HEADPHONE AND EARPHONE

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

EU/UK SPECIFIC ABSORPTION RATE (SAR)

Specific Absorption Rate (SAR)

This device meets applicable international safety requirements for exposure to radio waves. The mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) recommended by international guidelines from the independent scientific organization ICNIRP (International Commission of Non-Ionizing Radiation Protection).

The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2.0 W/kg averaged over 10 grams of tissue and includes a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

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

Body Parts	Test Value	Test Distance	Limit
Head	1.199 W/Kg	0mm	2.0 W/Kg
Body	1.457 W/Kg	5mm	2.0 W/Kg

XP100 MAXIMUM POWER TABLE

CE, UKCA	BANDS	OPERATION FREQUENCY	MAXIMUM POWER (DBM)
GSM	850	824.0-849.0 MHz (TX)	30.0dBm +/- 1dBm
GSM	900		31.0dBm +/- 1dBm
DCS	1800		29.5dBm +/- 1dBm
PCS	1900		29.5dBm +/- 1dBm
WCDMA	2100		22.5dBm +/- 1dBm
WCDMA	1900		22.5 dBm +/- 1dBm
WCDMA	900		21.5 dBm +/- 1dBm
WCDMA	850		21.0 dBm +/- 1dBm
LTE	B1/B3/B40		22.5 dBm +/- 1dBm
LTE	B7/B38/B41		20.5 dBm +/- 1dBm
LTE	B8/B20/B28		23 dBm +/- 1dBm
Bluetooth			7 dBm +/- 1dBm

NOTE: The performance of the mobile phones will be affected by the local network/environmental conditions, as well as how the SIM card was provisioned to operate on the network.

> **WARNING:** In situations where the mobile phone is being used in ways that do not follow the recommendations made here within, Sonim bears no responsibility for device failure.

CAUTION!

1. Risk of explosion if the battery is replaced with an incorrect type. Dispose of used batteries according to the instructions.

2. The product shall only be connected to a USB interface of version USB 2.0.

3. The adapter shall be installed near the equipment and shall be easily accessible.

4. Equipment Under Test (EUT) Temperature: -10℃～+55℃.

5. The device complies with RF specifications when the device is used at 5 mm from your body, and the holder must not be of metal composition.

6. Use caution with the earphones, as excessive sound pressure from earphones and headphones can cause hearing loss. To prevent possible hearing damage, avoid listening at high volume levels for extended periods.

ECO 1670 Regulation Requirements

1. Manufacturers, importers, or authorized representatives shall provide in the technical documentation and make publicly available on free-access websites of the manufacturer, importer, or authorized representative the following information:

   a. Compatibility with removable memory cards, if any;
   -- See the section topic "[Inserting a SIM or SD Card](#)" on page 9.

   b. Indicative weight range of the following critical raw materials and environmentally relevant materials:

      i. cobalt in the battery (weight range: less than 2 g, between 2 g and 5 g, above 5 g);
      -- Less than 2g

      ii. tantalum in capacitors (weight range: less than 0,05 g, between 0,05 g and 0,2 g, above 0,2 g); **-- Less than 0.05g**

      iii. neodymium in loudspeakers, vibration motors, and other magnets (weight range: less than 0,05 g, between 0,05 g and 0,2 g, above 0,2 g); **-- Between 0.05g and 0.2g**

      iv. gold in all components (weight range: less than 0,02 g, between 0,02 g and 0,1 g, above 0,1 g). **– Less than 0.02g**

   c. The indicative value of the recyclability rate Rcyc;
   -- Recyclability rate: 82.14% (for XP100).

   d. The indicative percentage of recycled content for the product or a part thereof, where available; if not available, the recycled content should be indicated as "not known" or "not available;"
   -- Not known.

   e. Ingress protection rating**; -- IP68, IPX9k (X100). See the section topic "[Rugged Certifications](#)" on page 53.**

   f. Minimum battery endurance in cycles in number of cycles; -. **-- The battery endurance in cycles achieves a minimum of 500 full charge cycles, and after 500 full charge cycles, the battery has, in a fully charged state, a remaining capacity of at least 83% of the rated capacity.**

2. Manufacturers, importers, or authorized representatives shall provide user instructions in the form of a user manual on a free-access website of the manufacturer, importer, or authorized representative. Those instructions shall include instructions for battery maintenance, including the following:

    a. Instructions for battery maintenance, including the following:

        i. impacts on battery lifetime related to exposure of the device to elevated temperatures, suboptimal charging patterns, fast charging, and other known adverse factors; **-- See the section topic "Charging the Battery" on page 6 and the section "Additional Battery Information" on pages 64.**

        ii. effects of switching off radio connections, such as Bluetooth, on power consumption;
-- See the section "Tips to Extend the Battery Life" on page 55.

        iii. information about whether the device supports other features, which extend battery lifetime, such as smart charging, and about how these features are activated, or under which conditions they work best.
-- See the section topic "Power Management" on page 32.

    b. Where the package does not include a charger, the user instructions referred to in point 2 shall include the following information: "For environmental reasons, this package does not include a charger. This device can be powered with most USB power adapters and a cable with a USB Type-C plug." **-- See the section topic "What's in the box?" on page 2.**

EU DECLARATION OF CONFORMITY
EU Declaration of Conformity for Radio Equipment Directive 2014/53/EU

We, Sonim Technologies, Inc., hereby declare that the essential requirements set out in the Radio Equipment Directive 2014/53/EU have been fully fulfilled on our product with the indication below:

Product Name: LTE phone
Model / Brand: X100/ Sonim

The following standards have been applied for the investigation of compliance:

ETSI EN 301 511 V12.5.1

ETSI EN 301 908-1 V15.2.1

ETSI EN301 908-2 V13.1.1

ETSI EN 301 908-13 V13.2.1

ETSI EN 300 328 V2.2.2

ETSI EN 303 345-1 V1.1.1

ETSI EN 303 345-3 V1.1.1

EN IEC 62368-1:2020+A11:2020

EN 50332-1:2013

EN 50332-2:2013

EN 50360:2017+ A1:2023

EN 50566:2017+ A1:2023

EN 62209-1:2016

EN 62209-2:2010+A1:2019

EN 50663:2017

EN 62479:2010

EN IEC 62311:2020

ETSI EN 301 489-1 V2.2.3

Final draft ETSI EN 301 489-17 V3.3.0

Draft ETSI EN 301 489-52 V1.2.5
EN 55032:2015+A1:2020
EN 55035:2017+A11:2020
EN IEC 62680-1-3:2022

Figure 1 - Warning label (IEC 60417-6044)

And apply notified body assessment:

Notified Body number 1177

TIMCO Engineering, Inc.

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Issued the EU-type examination certificate: E1177-244569

Furthermore, the ISO requirement for the in-process quality control procedure as well as the manufacturing process has been reached. The technical document as well as the test reports will be kept for a period of at least 10 years after the last product has been manufactured at the disposal of the relevant national authorities of any Member State for inspection.

Detailed contact information for this declaration has been listed below as the window of any issues relevant for this declaration.

European Representative	Manufacturer Contact
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	Date:2024/9/19

Hardware Version：V1.0

Software Version：X10.0-01-5.0-20.02.00

Accessories:

Battery：BAT-01800-01S

Data cable：FKY-23-146

Sonim XP100 USER GUIDE

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